

حمل الآن

مجانا وحصريا

# امتحانات رقم (1)

## الترم الثاني



## 1 Choose the correct answer:

- a  $\frac{45}{60} = \dots\dots\dots$   $(\frac{5}{6}, \frac{3}{4}, \frac{18}{20}, \frac{10}{12})$
- b  $\frac{5}{6} + \frac{7}{6} = \dots\dots\dots$   $(1\frac{5}{6}, 1\frac{11}{12}, 2, 2\frac{1}{6})$
- c The L.C.M of 8 and 6 is  $\dots\dots\dots$  .  $(48, 18, 16, 24)$
- d  $\frac{1}{2} \div 3 = \dots\dots\dots$   $(\frac{3}{2}, \frac{2}{3}, \frac{1}{6}, 6)$
- e Any triangle has at least  $\dots\dots\dots$  acute angles.  $(0, 1, 2, 3)$
- f The point  $\dots\dots\dots$  lies on the X-axis.  $[(5,0), (0,5), (1,5), (5,1)]$
- g A rectangular prism has a volume of  $240 \text{ cm}^3$ , and its base area is  $80 \text{ cm}^2$ ,  
then its height is  $\dots\dots\dots$  cm.  $(4, 5, 6, 3)$
- h The number of edges of the cube is  $\dots\dots\dots$  .  $(5, 6, 8, 12)$
- i The number of axes of symmetry of the rectangle is  $\dots\dots\dots$  .  $(0, 1, 2, 3)$

## 2 Answer each of the following:

- a Maha has  $\frac{1}{2}$  kg of flour. She used  $\frac{2}{5}$  kg of it. What is the remaining amount with her?

Answer:

.....

- b Ali ate  $\frac{1}{4}$  of 24 candies. How many candies are left?

Answer:

.....

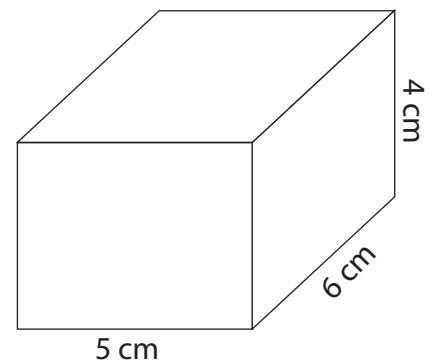
.....

- c Find the volume of the opposite cuboid.

Answer:

.....

.....



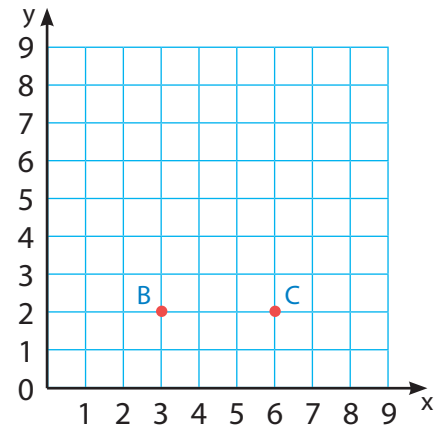
d Use the opposite coordinate plane to:

- 1 Plot the points A(3,4) , D(6,4)
- 2 Write the ordered pairs which represent the points B ( ..... , ..... ) , C ( ..... , ..... )

Answer:

.....

.....



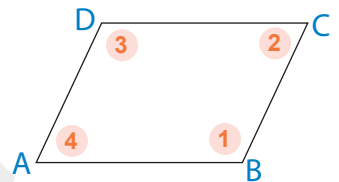
e How many thirds are there in 7?

Answer:

.....

f Complete:

- 1 The corresponding figure is called a .....
- 2 Angle (1) and (3) are ..... angles.
- 3 Angle (2) and (4) are ..... angles.



Answer:

.....

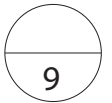
g Soha is reading a chapter of a story. She can usually read  $20\frac{1}{2}$  pages in 1 hour.

If she plans to read for 1 hour and 15 minutes, **how many pages will she read?**

Answer:

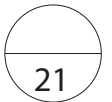
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.....



## 1 Choose the correct answer:

- a  $\frac{5}{3}$  is a/an .....  
( proper fraction , improper fraction , mixed number , whole number )
- b  $5 - 3\frac{1}{2} = \dots\dots\dots$  . (  $1\frac{1}{2}$  , 2 ,  $8\frac{1}{2}$  ,  $2\frac{1}{2}$  )
- c 2 hours and half = ..... minutes ( 150 , 140 , 135 , 120 )
- d  $\frac{3}{4} \times \dots\dots\dots = \frac{3}{8}$  (  $\frac{1}{4}$  ,  $\frac{1}{2}$  ,  $1\frac{1}{2}$  ,  $\frac{8}{3}$  )
- e  $\dots\dots\dots \div \frac{1}{5} = 15$  (  $\frac{1}{10}$  , 10 , 3 ,  $\frac{1}{3}$  )
- f A ..... is a quadrilateral in which all of its sides are equal in length.  
( rhombus , parallelogram , rectangle , trapezium )
- g A triangle whose side lengths are 5 cm, 7 cm, and 5 cm is called a/an ..... triangle.  
( equilateral , scalene , isosceles , otherwise )
- h A three-dimensional shape whose base is a circle is a .....  
( cone , pyramid , cuboid , cube )
- i The fraction  $\frac{3}{7}$  is closer to the benchmark fraction ..... (  $\frac{1}{2}$  , 1 ,  $1\frac{1}{2}$  , 0 )



## 2 Answer each of the following:

- a Karim walked  $2\frac{1}{5}$  km and Sameh walked  $1\frac{1}{3}$  km more than Karim.

What is the distance that Sameh walked?

Answer:

.....

- b There are 8 bags of fava beans, each bag has a mass of  $\frac{3}{4}$  kilogram.

What is the total mass of the fava beans?

Answer:

.....

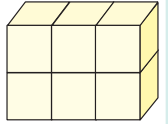
- c How many fourths are there in 8?

Answer:

.....



d Observe the opposite cuboid, then complete: (each  represents 1 cm )



1 Length = ..... cm

2 Width = ..... cm

3 Height = ..... cm

4 Volume = .....  $\text{cm}^3$

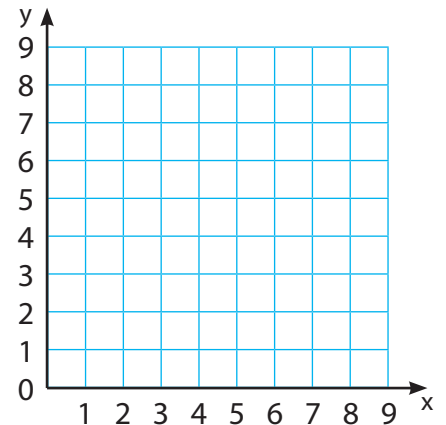
**Answer:**

.....

.....

e In the opposite coordinate plane:

- Graph the figure ABCD where: A(2,2) , B(2,5) , C(6,5) ,  
D(6 , 2), then write the name of the figure ABCD.



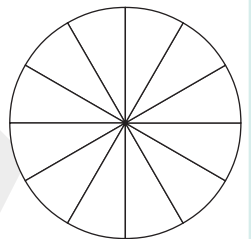
**Answer:**

.....

.....

f In the opposite pie chart. Shade  $\frac{1}{3}$  of the circle, then complete:

- 1 The number of the shaded parts is ..... .
- 2 The fraction that represents unshaded parts is ..... .



**Answer:**

.....

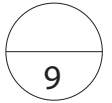
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g Find the L.C.M of 12 and 18.

**Answer:**

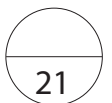
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## 1 Choose the correct answer:

- a  $5\frac{1}{6} = \dots\dots\dots$  ( $\frac{51}{6}, 1\frac{5}{6}, \frac{12}{6}, \frac{31}{6}$ )
- b The smallest like denominator for the fractions  $\frac{1}{4}$  and  $\frac{2}{3}$  is  $\dots\dots\dots$ . (12, 24, 36, 48)
- c  $3\frac{1}{4} + \dots\dots\dots = 5\frac{1}{2}$  ( $1\frac{1}{2}, 2\frac{1}{2}, 1\frac{1}{4}, 2\frac{1}{4}$ )
- d  $1\frac{1}{4}$  years =  $\dots\dots\dots$  months. (12, 16, 15, 18)
- e  $\frac{8}{9} \times \frac{\dots}{6} = \frac{4}{9}$  (8, 1, 3, 4)
- f  $\dots\dots\dots \div \frac{1}{4} = 16$  ( $\frac{1}{4}, 4, 2, 8$ )
- g A rhombus with 4 right angles is a  $\dots\dots\dots$ .  
(rectangle, square, parallelogram, trapezium)
- h The right-angled triangle has one right angle and two  $\dots\dots\dots$  angles.  
(acute, right, obtuse, straight)
- i A  $\dots\dots\dots$  is a three-dimensional shape that has two circular faces.  
(cylinder, sphere, cone, circle)



## 2 Answer each of the following:

- a Hany studied math for  $2\frac{1}{2}$  hours and science for 90 minutes.

How many hours did Hany study in all?

Answer:

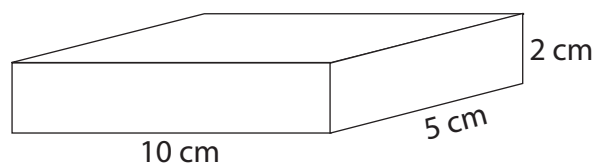
.....

- b Find the volume of the opposite figure:

Answer:

.....

.....



- c Omar owns a parking lot. The lot is 3 km long and  $2\frac{1}{2}$  km wide.

What is the area of the parking lot?

Answer:

.....

- d What is the measure of the central angle that represents the opposite colored sector?

Answer:

.....

.....

- e What is the type of the opposite triangle according to its angle measures and side lengths?

Answer:

.....

.....

- f Find the missing:

$$\frac{1}{5} \div a = \frac{1}{30}$$

Answer:

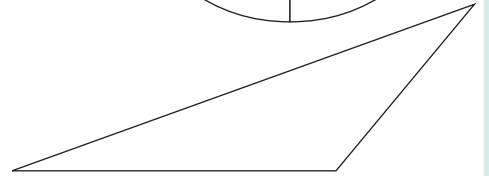
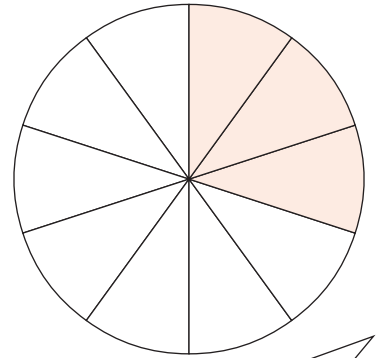
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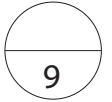
- g Find the result of:

$$3 - \frac{2}{3} - \frac{1}{5}$$

Answer:

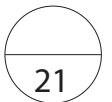
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## 1 Choose the correct answer:

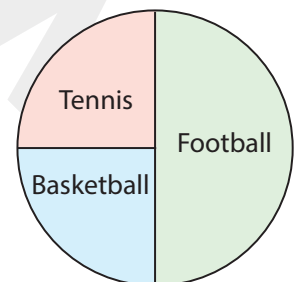
- a Each face of the cube is in the form of a ..... . ( rectangle , square , triangle , circle )
- b Point ..... is located on Y-axis. [ (5,1) , (1,5) , (0,5) , (5,0) ]
- c  $2\frac{7}{4} = 3\frac{\quad}{\quad}$  (  $\frac{19}{4}$  ,  $\frac{15}{4}$  ,  $\frac{11}{4}$  ,  $\frac{3}{4}$  )
- d  $\frac{4}{15} \times \frac{5}{8} = \frac{1}{2} \times \dots\dots\dots$  (  $\frac{2}{3}$  ,  $\frac{3}{15}$  ,  $\frac{2}{10}$  ,  $\frac{1}{3}$  )
- e  $\frac{3}{5} + \frac{9}{10} = \dots\dots\dots + 1$  (  $\frac{1}{10}$  ,  $\frac{1}{2}$  ,  $\frac{1}{5}$  ,  $\frac{2}{5}$  )
- f  $\frac{40}{45} = \dots\dots\dots$  (in the simplest form) (  $\frac{3}{8}$  ,  $\frac{8}{9}$  ,  $\frac{7}{8}$  ,  $\frac{9}{8}$  )
- g The length of a rectangle is 6 cm and its width is  $2\frac{1}{4}$  cm, then its area is ..... cm<sup>2</sup>.  
(  $4\frac{1}{4}$  ,  $8\frac{1}{4}$  ,  $12\frac{1}{4}$  ,  $13\frac{1}{2}$  )
- h In the ordered pair (7,2) , the X -coordinate is ..... . ( 14 , 9 , 7 , 2 )
- i  $3 \div \dots\dots\dots = 6$  (  $\frac{1}{2}$  ,  $\frac{1}{3}$  ,  $\frac{1}{6}$  , 2 )



## 2 Answer each of the following:

- a The following pie chart shows the favorite sport for 200 pupils, complete:

- 1 The most preferred sport is .....
- 2 The number of pupils who prefer tennis is ..... pupils.



Answer:

.....

- b Find the value of the unknown:

$$\frac{3}{20} + b = \frac{2}{5}$$

Answer:

.....

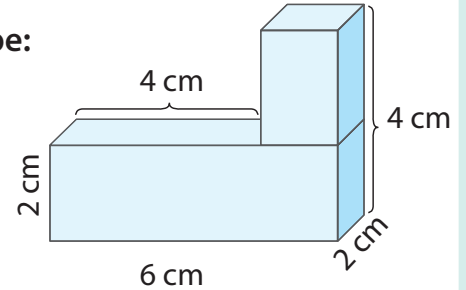
- c A teacher wants to give  $\frac{1}{4}$  of a pack of pencils to each student if he has 4 packs. How many students will get pencils?

Answer:

.....

- d Calculate the volume of the opposite compound shape:

(Note: Lengths are not accurate.)



Answer:

.....

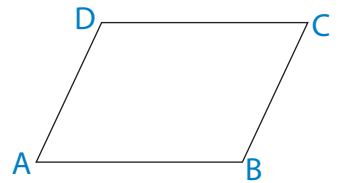
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- e Complete :

1 The corresponding figure is called a .....

2  $AB = \dots\dots\dots$ ,  $\overline{AB} // \dots\dots\dots$

3  $AD = \dots\dots\dots$ ,  $\overline{AD} // \dots\dots\dots$



Answer:

.....

.....

- f Which is greater in area?

A rectangle of width  $3\frac{1}{2}$  m and length  $5\frac{1}{3}$  m or a rectangle of length  $4\frac{2}{3}$  m and width  $4\frac{1}{2}$  m.

Answer:

.....

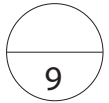
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- g Find the missing:

$$1\frac{1}{2} - m = \frac{2}{7}$$

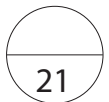
Answer:

.....



## 1 Choose the correct answer:

- a ..... is the amount of liquid a container can hold.  
( Area , Perimeter , Volume , Capacity )
- b The vertical number line in the coordinate plane is called the .....  
( X-axis , Y-axis , origin , ordered pair )
- c A quadrilateral that has only one pair of parallel sides is a .....  
( square , rectangle , trapezium , parallelogram )
- d  $3\frac{1}{6} - 2\frac{1}{2} = \dots\dots\dots$  .  $(\frac{2}{3} , 5\frac{2}{6} , 1\frac{4}{6} , 1\frac{2}{6})$
- e  $\frac{2}{3} \times \frac{1}{6} = \dots\dots\dots$  .  $(\frac{1}{6} , \frac{1}{18} , \frac{1}{9} , 9)$
- f The number of faces of the cube is .....  
( 5 , 6 , 8 , 12 )
- g A triangle whose side lengths are 7 cm, 7 cm, and 7 cm is called a/an ..... triangle.  
( equilateral , scalene , isosceles , right )
- h The number of axes of symmetry of a circle is .....  
( 0 , 2 , 4 , an infinite number )
- i  $\frac{23}{11} = \dots\dots\dots$  .  $(2\frac{1}{3} , 3\frac{2}{11} , 2\frac{1}{11} , 2\frac{3}{12})$



## 2 Answer each of the following:

- a Ahmed expected to do the homework in  $\frac{4}{5}$  of an hour, but he completed it in  $\frac{3}{4}$  of an hour. How much more or less time did Ahmed take than he expected?

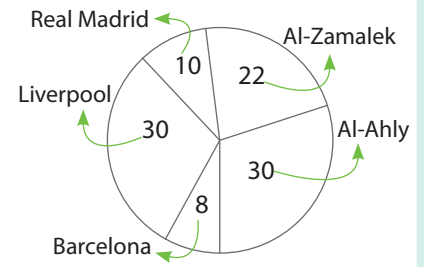
Answer:

.....

- b From the opposite pie chart:

- 1 How many students were surveyed?

- 2 What is the decimal which represents the number of students who liked Al-Ahly to all students?



Answer:

.....

.....

- c Which is greater in volume?

A rectangular prism with dimensions of 5 cm, 10 cm, and 4 cm or a rectangular prism with a base area of  $60 \text{ cm}^2$  and a height of 7 cm.

Answer:

.....

- d Rania spends  $\frac{3}{4}$  of her monthly salary on food, rent, utilities, and transportation. After these expenses, she is left with 1,250 pounds. What is Rania's monthly salary?

Answer:

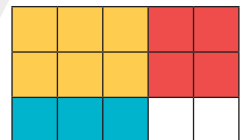
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- e Nihal has 9 friends. She made 3 pies for her friends and she wants to divide these pies equally among them. What is the share of each of them?

Answer:

.....

- f Write the multiplication problem expressed in the opposite model, then find the product.



Answer:

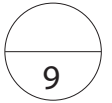
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- g Maged has a garden of length  $5\frac{1}{3}$  meters and width  $4\frac{1}{2}$  meters.

What is the area of Maged's garden?

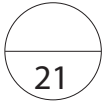
Answer:

.....



## 1 Choose the correct answer:

- a  $\frac{45}{60} = \dots\dots\dots$   $(\frac{5}{6}, \frac{3}{4}, \frac{18}{20}, \frac{10}{12})$
- b  $\frac{5}{6} + \frac{7}{6} = \dots\dots\dots$   $(1\frac{5}{6}, 1\frac{11}{12}, 2, 2\frac{1}{6})$
- c The L.C.M of 8 and 6 is  $\dots\dots\dots$   $(48, 18, 16, 24)$
- d  $\frac{1}{2} \div 3 = \dots\dots\dots$   $(\frac{3}{2}, \frac{2}{3}, \frac{1}{6}, 6)$
- e Any triangle has at least  $\dots\dots\dots$  acute angles.  $(0, 1, 2, 3)$
- f The point  $\dots\dots\dots$  lies on the X-axis.  $[(5,0), (0,5), (1,5), (5,1)]$
- g A rectangular prism has a volume of  $240 \text{ cm}^3$ , and its base area is  $80 \text{ cm}^2$ ,  
then its height is  $\dots\dots\dots$  cm.  $(4, 5, 6, 3)$
- h The number of edges of the cube is  $\dots\dots\dots$   $(5, 6, 8, 12)$
- i The number of axes of symmetry of the rectangle is  $\dots\dots\dots$   $(0, 1, 2, 3)$



## 2 Answer each of the following:

- a Maha has  $\frac{1}{2}$  kg of flour. She used  $\frac{2}{5}$  kg of it. What is the remaining amount with her?

**Answer:**

$$\text{The remaining amount with Maha} = \frac{1}{2} - \frac{2}{5} = \frac{5}{10} - \frac{4}{10} = \frac{1}{10} \text{ kg}$$

- b Ali ate  $\frac{1}{4}$  of 24 candies. How many candies are left?

**Answer:**

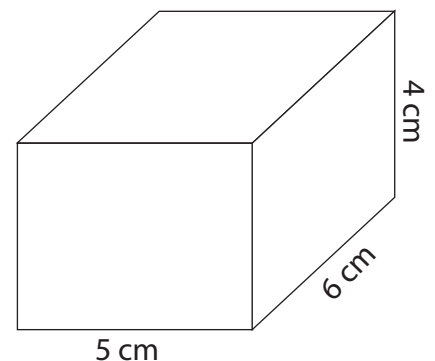
$$\text{Ali ate} = \frac{1}{4} \times 24 = 6 \text{ candies}$$

$$\text{The remaining candies} = 24 - 6 = 18 \text{ candies}$$

- c Find the volume of the opposite cuboid.

**Answer:**

$$\begin{aligned} \text{The volume} &= \text{length} \times \text{width} \times \text{height} \\ &= 6 \times 5 \times 4 = 120 \text{ cm}^3 \end{aligned}$$



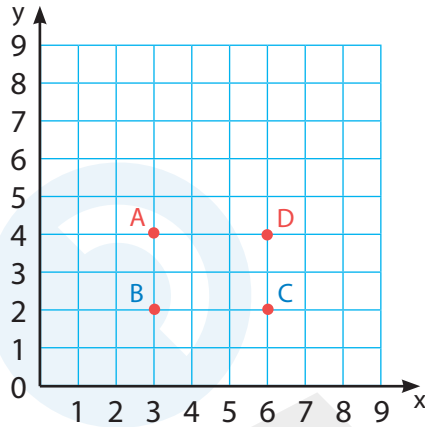


**d Use the opposite coordinate plane to:**

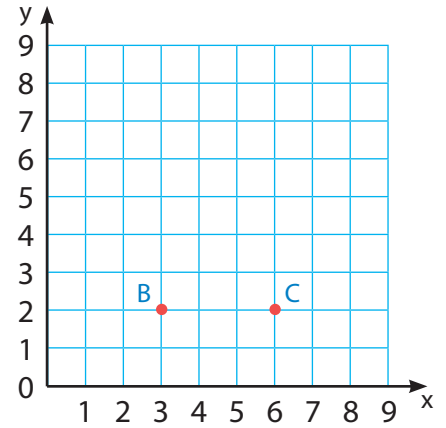
- 1 Plot the points A(3,4) , D(6,4)
- 2 Write the ordered pairs which represent the points B ( ..... , ..... ) , C ( ..... , ..... )

**Answer:**

1



2 B (3,2) , C (6,2)



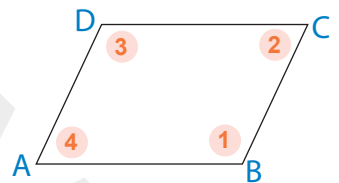
**e How many thirds are there in 7?**

**Answer:**

$$7 \div \frac{1}{3} = 7 \times 3 = 21 \text{ thirds}$$

**f Complete:**

- 1 The corresponding figure is called a .....
- 2 Angle (1) and (3) are ..... angles.
- 3 Angle (2) and (4) are ..... angles.



**Answer:**

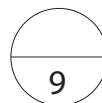
- 1 Parallelogram
- 2 obtuse
- 3 acute

**g** Soha is reading a chapter of a story. She can usually read  $20\frac{1}{2}$  pages in 1 hour. If she plans to read for 1 hour and 15 minutes, **how many pages will she read?**

**Answer:**

$$1 \text{ hour and 15 minutes} = 1\frac{1}{4} \text{ hour}$$

$$\begin{aligned} \text{Total pages she read} &= 20\frac{1}{2} \times 1\frac{1}{4} \\ &= \frac{41}{2} \times \frac{5}{4} \\ &= \frac{205}{8} = 25\frac{5}{8} \text{ pages} \end{aligned}$$



## 1 Choose the correct answer:

- a  $\frac{5}{3}$  is a/an .....  
( proper fraction , **improper fraction** , mixed number , whole number )
- b  $5 - 3\frac{1}{2} = \dots\dots\dots$  .  
(  **$1\frac{1}{2}$**  , 2 ,  $8\frac{1}{2}$  ,  $2\frac{1}{2}$  )
- c 2 hours and half = ..... minutes  
( **150** , 140 , 135 , 120 )
- d  $\frac{3}{4} \times \dots\dots\dots = \frac{3}{8}$   
(  $\frac{1}{4}$  ,  **$\frac{1}{2}$**  ,  $1\frac{1}{2}$  ,  $\frac{8}{3}$  )
- e  $\dots\dots\dots \div \frac{1}{5} = 15$   
(  $\frac{1}{10}$  , 10 , **3** ,  $\frac{1}{3}$  )
- f A ..... is a quadrilateral in which all of its sides are equal in length.  
( **rhombus** , parallelogram , rectangle , trapezium )
- g A triangle whose side lengths are 5 cm, 7 cm, and 5 cm is called a/an ..... triangle.  
( equilateral , scalene , **isosceles** , otherwise )
- h A three-dimensional shape whose base is a circle is a .....  
( **cone** , pyramid , cuboid , cube )
- i The fraction  $\frac{3}{7}$  is closer to the benchmark fraction .....  
(  **$\frac{1}{2}$**  , 1 ,  $1\frac{1}{2}$  , 0 )

## 2 Answer each of the following:



- a Karim walked  $2\frac{1}{5}$  km and Sameh walked  $1\frac{1}{3}$  km more than Karim.

What is the distance that Sameh walked?

**Answer:**

The distance that Sameh walked =  $2\frac{1}{5} + 1\frac{1}{3} = 2\frac{3}{15} + 1\frac{5}{15} = 3\frac{8}{15}$  kilometers

- b There are 8 bags of fava beans, each bag has a mass of  $\frac{3}{4}$  kilogram.

What is the total mass of the fava beans?

**Answer:**

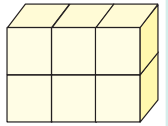
The total mass =  $8 \times \frac{3}{4} = 6$  kg

- c How many fourths are there in 8?

**Answer:**

$8 \div \frac{1}{4} = 32$  fourths

d Observe the opposite cuboid, then complete: (each  represents 1 cm )



1 Length = ..... cm

2 Width = ..... cm

3 Height = ..... cm

4 Volume = .....  $\text{cm}^3$

**Answer:**

1 3 cm

2 1 cm

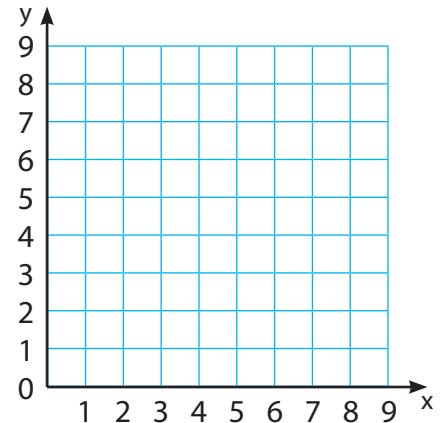
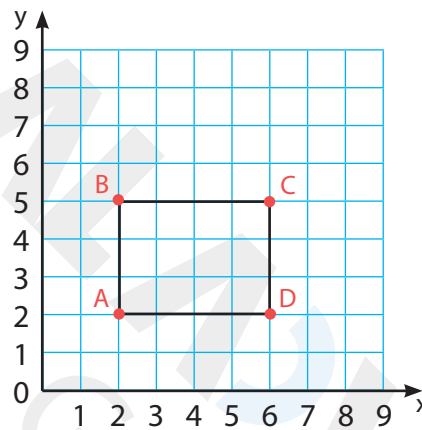
3 2 cm

4  $6 \text{ cm}^3$

e In the opposite coordinate plane:

► Graph the figure ABCD where: A(2,2) , B(2,5) , C(6,5) , D(6, 2), then write the name of the figure ABCD.

**Answer:**

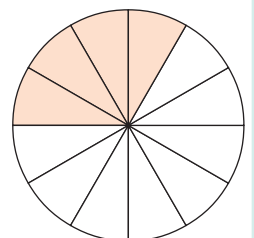
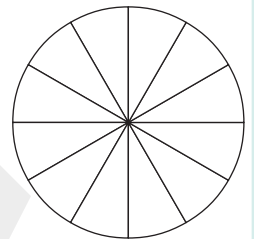


ABCD is a rectangle.

f In the opposite pie chart. Shade  $\frac{1}{3}$  of the circle, then complete:

1 The number of the shaded parts is .....

2 The fraction that represents unshaded parts is .....



**Answer:**

1 4

2  $\frac{2}{3}$

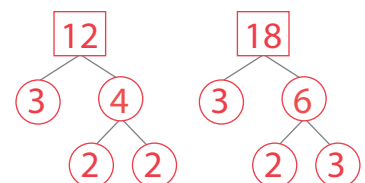
g Find the L.C.M of 12 and 18.

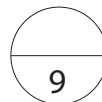
**Answer:**

$$12 = 2 \times 2 \times 3$$

$$18 = 2 \times 3 \times 3$$

$$\text{L.C.M} = 2 \times 2 \times 3 \times 3 = 36$$





## 1 Choose the correct answer:

- a  $5\frac{1}{6} = \dots\dots\dots$  ( $\frac{51}{6}$ ,  $1\frac{5}{6}$ ,  $\frac{12}{6}$ ,  $\frac{31}{6}$ )
- b The smallest like denominator for the fractions  $\frac{1}{4}$  and  $\frac{2}{3}$  is  $\dots\dots\dots$ . (12, 24, 36, 48)
- c  $3\frac{1}{4} + \dots\dots\dots = 5\frac{1}{2}$  ( $1\frac{1}{2}$ ,  $2\frac{1}{2}$ ,  $1\frac{1}{4}$ ,  $2\frac{1}{4}$ )
- d  $1\frac{1}{4}$  years =  $\dots\dots\dots$  months. (12, 16, 15, 18)
- e  $\frac{8}{9} \times \frac{\dots}{6} = \frac{4}{9}$  (8, 1, 3, 4)
- f  $\dots\dots\dots \div \frac{1}{4} = 16$  ( $\frac{1}{4}$ , 4, 2, 8)
- g A rhombus with 4 right angles is a  $\dots\dots\dots$ .  
(rectangle, square, parallelogram, trapezium)
- h The right-angled triangle has one right angle and two  $\dots\dots\dots$  angles.  
(acute, right, obtuse, straight)
- i A  $\dots\dots\dots$  is a three-dimensional shape that has two circular faces.  
(cylinder, sphere, cone, circle)



## 2 Answer each of the following:

- a Hany studied math for  $2\frac{1}{2}$  hours and science for 90 minutes.

How many hours did Hany study in all?

**Answer:**

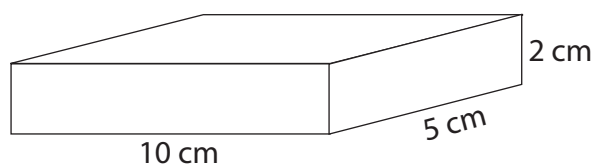
$$90 \text{ minutes} = 1\frac{1}{2} \text{ hours}$$

$$\text{Total hours that Hany studied} = 2\frac{1}{2} + 1\frac{1}{2} = 4 \text{ hours}$$

- b Find the volume of the opposite figure:

**Answer:**

$$\begin{aligned} \text{The volume} &= \text{Length} \times \text{Width} \times \text{Height} \\ &= 10 \times 2 \times 5 = 100 \text{ cm}^3 \end{aligned}$$



- c Omar owns a parking lot. The lot is 3 km long and  $2\frac{1}{2}$  km wide.

What is the area of the parking lot?

**Answer:**

The area = length  $\times$  width

$$= 3 \times 2\frac{1}{2} = 3 \times \frac{5}{2} = \frac{15}{2} = 7\frac{1}{2} \text{ km}^2$$

- d What is the measure of the central angle that represents the opposite colored sector?

**Answer:**

The colored part represents  $\frac{3}{10}$  of the circle.

The measure of the central angle =  $\frac{3}{10} \times 360^\circ = 108^\circ$

- e What is the type of the opposite triangle according to its angle measures and side lengths?

**Answer:**

According to the angles: Obtuse-angled triangle

According to the sides: Scalene triangle

- f Find the missing:

$$\frac{1}{5} \div a = \frac{1}{30}$$

**Answer:**

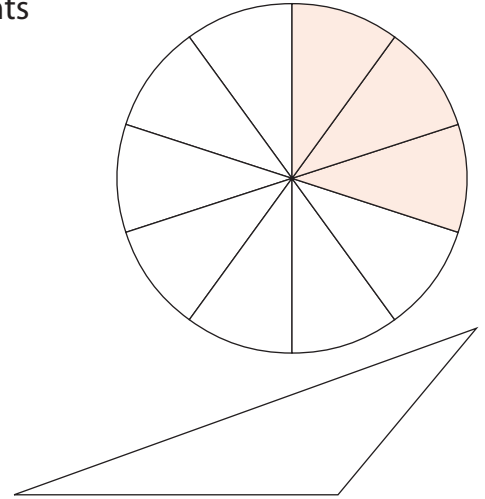
$$a = \frac{1}{5} \div \frac{1}{30} = \frac{1}{5} \times 30 = 6$$

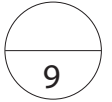
- g Find the result of:

$$3 - \frac{2}{3} - \frac{1}{5}$$

**Answer:**

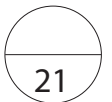
$$3 - \frac{2}{3} - \frac{1}{5} = 2\frac{15}{15} - \frac{10}{15} - \frac{3}{15} = 2\frac{5}{15} - \frac{3}{15} = 2\frac{2}{15}$$





## 1 Choose the correct answer:

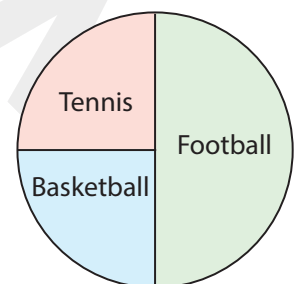
- a Each face of the cube is in the form of a ..... . ( rectangle , **square** , triangle , circle )
- b Point ..... is located on Y-axis. [ (5,1) , (1,5) , **(0,5)** , (5,0) ]
- c  $2\frac{7}{4} = 3\frac{\quad}{\quad}$  (  $\frac{19}{4}$  ,  $\frac{15}{4}$  ,  $\frac{11}{4}$  ,  **$\frac{3}{4}$**  )
- d  $\frac{4}{15} \times \frac{5}{8} = \frac{1}{2} \times \dots\dots\dots$  (  $\frac{2}{3}$  ,  $\frac{3}{15}$  ,  $\frac{2}{10}$  ,  **$\frac{1}{3}$**  )
- e  $\frac{3}{5} + \frac{9}{10} = \dots\dots\dots + 1$  (  $\frac{1}{10}$  ,  **$\frac{1}{2}$**  ,  $\frac{1}{5}$  ,  $\frac{2}{5}$  )
- f  $\frac{40}{45} = \dots\dots\dots$  (in the simplest form) (  $\frac{3}{8}$  ,  **$\frac{8}{9}$**  ,  $\frac{7}{8}$  ,  $\frac{9}{8}$  )
- g The length of a rectangle is 6 cm and its width is  $2\frac{1}{4}$  cm, then its area is .....  $\text{cm}^2$ . (  $4\frac{1}{4}$  ,  $8\frac{1}{4}$  ,  $12\frac{1}{4}$  ,  **$13\frac{1}{2}$**  )
- h In the ordered pair (7,2) , the X -coordinate is ..... . ( 14 , 9 , **7** , 2 )
- i  $3 \div \dots\dots\dots = 6$  (  **$\frac{1}{2}$**  ,  $\frac{1}{3}$  ,  $\frac{1}{6}$  , 2 )



## 2 Answer each of the following:

- a The following pie chart shows the favorite sport for 200 pupils, complete:

- 1 The most preferred sport is .....
- 2 The number of pupils who prefer tennis is ..... pupils.



Answer:

- 1 **Football**
- 2 **50 pupils**

- b Find the value of the unknown:

$$\frac{3}{20} + b = \frac{2}{5}$$

Answer:

$$b = \frac{2}{5} - \frac{3}{20} = \frac{8}{20} - \frac{3}{20} = \frac{5}{20} = \frac{1}{4}$$

- c A teacher wants to give  $\frac{1}{4}$  of a pack of pencils to each student if he has 4 packs. How many students will get pencils?

**Answer:**

$$\text{Number of students} = 4 \div \frac{1}{4} = 4 \times 4 = 16 \text{ students}$$

- d Calculate the volume of the opposite compound shape:

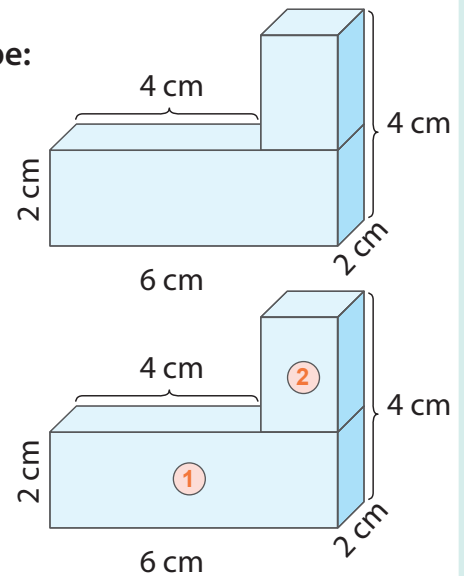
(Note: Lengths are not accurate.)

**Answer:**

► The volume of prism (1) = Length  $\times$  Width  $\times$  Height  
 $= 6 \times 2 \times 2 = 24 \text{ cm}^3$

► The volume of prism (2) = Length  $\times$  Width  $\times$  Height  
 $= 2 \times 2 \times 2 = 8 \text{ cm}^3$

► The total volume of the shape =  $24 + 8 = 32 \text{ cm}^3$

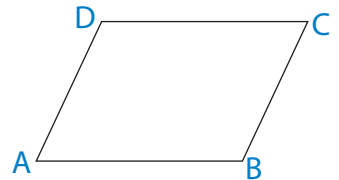


- e Complete :

1 The corresponding figure is called a .....

2  $AB = \dots\dots\dots$ ,  $\overline{AB} \parallel \dots\dots\dots$

3  $AD = \dots\dots\dots$ ,  $\overline{AD} \parallel \dots\dots\dots$



**Answer:**

1 Parallelogram

2  $CD$ ,  $\overline{CD}$

3  $BC$ ,  $\overline{BC}$

- f Which is greater in area?

A rectangle of width  $3\frac{1}{2}$  m and length  $5\frac{1}{3}$  m or a rectangle of length  $4\frac{2}{3}$  m and width  $4\frac{1}{2}$  m.

**Answer:**

$$\text{Area of the first rectangle} = 3\frac{1}{2} \times 5\frac{1}{3} = \frac{7}{2} \times \frac{16}{3} = 18\frac{2}{3} \text{ m}^2$$

$$\text{Area of the second rectangle} = 4\frac{2}{3} \times 4\frac{1}{2} = \frac{14}{3} \times \frac{9}{2} = 21 \text{ m}^2$$

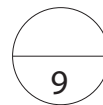
The second rectangle has a greater area.

- g Find the missing:

$$1\frac{1}{2} - m = \frac{2}{7}$$

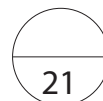
**Answer:**

$$m = 1\frac{1}{2} - \frac{2}{7} = 1\frac{7}{14} - \frac{4}{14} = 1\frac{3}{14}$$



## 1 Choose the correct answer:

- a ..... is the amount of liquid a container can hold.  
( Area , Perimeter , Volume , **Capacity** )
- b The vertical number line in the coordinate plane is called the .....  
( X-axis , **Y-axis** , origin , ordered pair )
- c A quadrilateral that has only one pair of parallel sides is a .....  
( square , rectangle , **trapezium** , parallelogram )
- d  $3\frac{1}{6} - 2\frac{1}{2} = \dots\dots\dots$  . (  $\frac{2}{3}$  ,  $5\frac{2}{6}$  ,  $1\frac{4}{6}$  ,  $1\frac{2}{6}$  )
- e  $\frac{2}{3} \times \frac{1}{6} = \dots\dots\dots$  . (  $\frac{1}{6}$  ,  $\frac{1}{18}$  ,  $\frac{1}{9}$  , 9 )
- f The number of faces of the cube is ..... ( 5 , **6** , 8 , 12 )
- g A triangle whose side lengths are 7 cm, 7 cm, and 7 cm is called a/an ..... triangle.  
( **equilateral** , scalene , isosceles , right )
- h The number of axes of symmetry of a circle is ..... ( 0 , 2 , 4 , **an infinite number** )
- i  $\frac{23}{11} = \dots\dots\dots$  (  $2\frac{1}{3}$  ,  $3\frac{2}{11}$  ,  **$2\frac{1}{11}$**  ,  $2\frac{3}{12}$  )



## 2 Answer each of the following:

- a Ahmed expected to do the homework in  $\frac{4}{5}$  of an hour, but he completed it in  $\frac{3}{4}$  of an hour. **How much more or less time did Ahmed take than he expected?**

**Answer:**

$$\text{The difference in time} = \frac{4}{5} - \frac{3}{4} = \frac{16}{20} - \frac{15}{20} = \frac{1}{20} \text{ of an hour}$$

- b From the opposite pie chart:

- 1 How many students were surveyed?

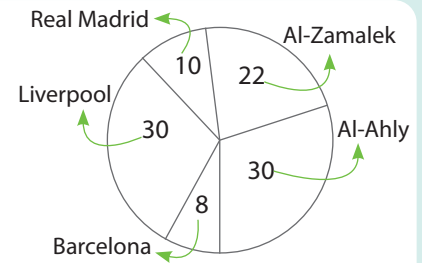


- 2 What is the decimal which represents the number of students who liked Al-Ahly to all students?

**Answer:**

1 Number of students =  $10 + 30 + 8 + 30 + 22$   
 $= 100$  students

2  $\frac{30}{100} = \frac{3}{10} = 0.3$



- c Which is greater in volume?

A rectangular prism with dimensions of 5 cm, 10 cm, and 4 cm or a rectangular prism with a base area of  $60 \text{ cm}^2$  and a height of 7 cm.

**Answer:**

The volume of the first prism = Length  $\times$  Width  $\times$  Height  
 $= 10 \times 5 \times 4 = 200 \text{ cm}^3$

The volume of the second prism = base area  $\times$  height  
 $= 60 \times 7 = 420 \text{ cm}^3$

The volume of the second prism is greater.

- d Rania spends  $\frac{3}{4}$  of her monthly salary on food, rent, utilities, and transportation. After these expenses, she is left with 1,250 pounds. What is Rania's monthly salary?

**Answer:**

$\frac{1}{4}$  of her monthly salary = 1,250 pounds

Rania's monthly salary =  $1,250 \times 4 = 5,000$  pounds

- e Nihal has 9 friends. She made 3 pies for her friends and she wants to divide these pies equally among them. What is the share of each of them?

**Answer:**

The share of each of them =  $3 \div 9 = \frac{1}{3}$  of the pie

- f Write the multiplication problem expressed in the opposite model, then find the product.



**Answer:**

The product =  $\frac{2}{3} \times \frac{3}{5} = \frac{6}{15} = \frac{2}{5}$

- g Maged has a garden of length  $5\frac{1}{3}$  meters and width  $4\frac{1}{2}$  meters. What is the area of Maged's garden?

**Answer:**

The area of the garden =  $5\frac{1}{3} \times 4\frac{1}{2} = \frac{16}{3} \times \frac{9}{2} = 24 \text{ m}^2$

# كيفية طباعة صفحات معينة من ملف معين

## مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9



خطوة 1



خطوة 2  
اختيار اسم  
الطابعة  
بتاعتك

خطوة 3  
كتابة الصفحات  
المراد طباعتها  
نكتب رقم 4 ثم  
نكتب الشرطة  
دي - ثم نكتب 9

خطوة 4  
اختيار نوع الورق



خطوة 5  
اختيار A4



خطوة 6

حمل الآن

مجانا وحصريا

# امتحانات رقم (2)

## الترم الثاني





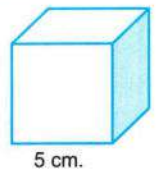
Exam 1

1. Choose the correct answer.

1. The sum of measures of angles accumulation around a point as the centre of the circle is \_\_\_\_\_  
 A.  $90^\circ$                       B.  $180^\circ$                       C.  $360^\circ$                       D.  $100^\circ$
2. The smallest like denominator of  $\frac{5}{6}$  and  $\frac{1}{3}$  is \_\_\_\_\_  
 A. 18                      B. 6                      C. 3                      D. 5
3. A triangle with obtuse angle is called \_\_\_\_\_-angled triangle.  
 A. a right                      B. an obtuse                      C. an acute                      D. otherwise
4. A cuboid of length 5 cm , width 3 cm and height 2 cm , its volume = \_\_\_\_\_  $\text{cm}^3$   
 A. 30                      B. 15                      C. 10                      D. 6
5. How many seventh in 7 ? \_\_\_\_\_  
 A. 49                      B.  $\frac{1}{7}$                       C.  $\frac{1}{49}$                       D.  $\frac{49}{7}$
6. The solid with 2 circular bases is \_\_\_\_\_  
 A. cylinder                      B. cone                      C. cube                      D. cuboid
7. A \_\_\_\_\_ is a circle divided into sectors.  
 A. central angle                      B. bar graph                      C. pie chart                      D. pictograph
8.  $12 \div 9 =$  \_\_\_\_\_  
 A.  $1\frac{1}{2}$                       B.  $1\frac{1}{5}$                       C.  $1\frac{1}{4}$                       D.  $1\frac{1}{3}$
9.  $6\frac{1}{2} =$  \_\_\_\_\_  $\div 2$   
 A. 11                      B. 12                      C. 13                      D. 14

2. Answer the following questions.

1. Find the volume of the opposite cube



2. Hany purchases  $\frac{7}{8}$  of fava beans. He uses  $\frac{3}{4}$  kg of the fava beans to make falafel. How many kilograms of fava beans are left ?

3. There are 4 kg of hummus. A worker separates the hummus into packages of  $\frac{1}{4}$  kg. How many packages will be made ?

4. Graph the figure ABCD where  
A (3, 2), B (3, 5), C (6, 5), D (6, 2)

The name of the figure ABCD is \_\_\_\_\_

5. Evaluate

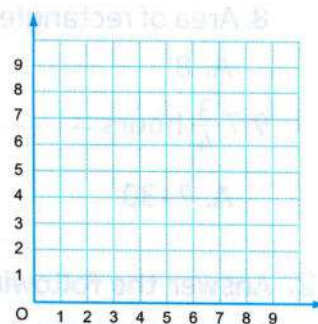
a.  $\frac{5}{7} + \frac{2}{3}$

b.  $1 - \frac{1}{4}$

6. Find the value of k

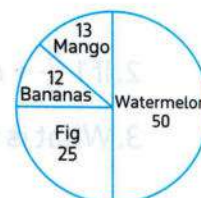
a.  $\frac{1}{3} + k = \frac{5}{6}$

b.  $\frac{1}{6} \div k = \frac{1}{12}$



7. The opposite figure shows a survey for the favourite fruits of a group of people.

- a. The number of people who took the survey is \_\_\_\_\_  
b. The fraction that represents watermelon is \_\_\_\_\_  
c. The decimal that represents fig is \_\_\_\_\_



## Exam 2

1. Choose the correct answer.

1.  $\frac{23}{6}$  is equivalent to \_\_\_\_\_

A.  $4\frac{1}{6}$

B.  $3\frac{5}{6}$

C.  $2\frac{3}{6}$

D.  $3\frac{3}{6}$

2. The quadrilateral which has no line of symmetry is the \_\_\_\_\_

A. square

B. rhombus

C. rectangle

D. parallelogram

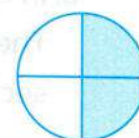
3. The decimal representing the shaded part is \_\_\_\_\_

A. 0.85

B. 0.75

C. 0.5

D. 0.25



4. The volume of a rectangular prism whose dimensions are 5 cm, 4 cm, 3 cm is \_\_\_\_\_  $\text{cm}^3$

A. 80

B. 70

C. 60

D. 50

5. If  $\frac{1}{4} \div C = \frac{1}{24}$ , then C = \_\_\_\_\_

A. 8

B. 6

C.  $\frac{1}{6}$

D.  $\frac{1}{8}$

6.  $\frac{1}{4} + 3\frac{7}{8} = 4 +$  \_\_\_\_\_

A.  $\frac{1}{4}$

B.  $\frac{7}{8}$

C.  $\frac{1}{8}$

D.  $\frac{3}{8}$

7.  $9 \times \frac{5}{9} =$  \_\_\_\_\_

A. 15

B. 12

C. 10

D. 5

8. Area of rectangle whose length is 3 cm , width  $2\frac{1}{3}$  cm is \_\_\_\_\_  $\text{cm}^2$

- A. 8                      B. 7                      C. 6                      D. 5

9.  $7\frac{3}{4}$  hours = \_\_\_\_\_ hours + \_\_\_\_\_ minutes.

- A. 7 , 30                      B. 7 , 45                      C. 7 , 20                      D.  $7, \frac{1}{2}$

**2. Answer the following questions.**

1. Ahmed bought  $2\frac{2}{8}$  kilogram of grapes , he used  $\frac{2}{8}$  kilogram of grapes to make juice , How many kilograms are left ?

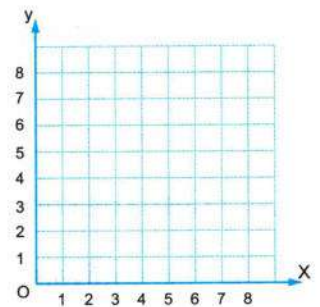
2. If  $1\frac{5}{9} + d = 3\frac{7}{9}$  then  $d =$  \_\_\_\_\_

3. What is the base area of a cube whose edge length is 8 cm and volume  $512 \text{ cm}^3$  ?

4. Graph on the plane coordinate the points :

A (3 , 2) ; B (3 , 6) , C (5 , 6) , D (5 , 2)

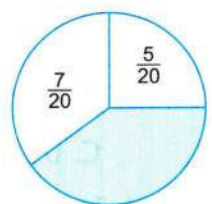
What is the name of shape when connecting the points ?



5. Omar owns a car park of length is 3 m. and the width is  $2\frac{1}{2}$  m. What is the area of the parking ?

6. In the opposite figure :

The fraction of the shaded sector = \_\_\_\_\_



7. Find.

$3 \times 1.5 =$  \_\_\_\_\_

**Exam 3**

**1. Choose the correct answer.**

1.  $\frac{1}{5} \times$  \_\_\_\_\_ = 1

- A.  $\frac{5}{4}$                       B. 5                      C. 4                      D.  $\frac{1}{5}$

2. The smallest like denominator of  $\frac{5}{6}$  and  $\frac{1}{3}$  is \_\_\_\_\_

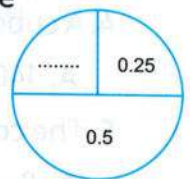
- A. 18                      B. 6                      C. 3                      D. 2

3. The \_\_\_\_\_ has one vertex

- A. cube                      B. cuboid                      C. cone                      D. cylinder

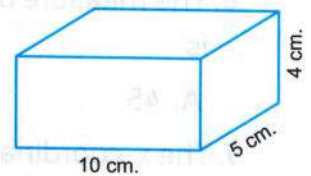


4. A cuboid of length 5 cm , width 3 cm and height 2 cm , then its volume = \_\_\_\_\_  $\text{cm}^3$   
 A. 15                      B. 24                      C. 30                      D. 10
5.  $5 \times \frac{3}{7}$  \_\_\_\_\_  $4 \times \frac{3}{7}$   
 A. <                      B. >                      C. =                      D. otherwise
6. The x-coordinate of the ordered pair (4 , 3) is \_\_\_\_\_  
 A. 3                      B. 4                      C. 5                      D. 6
7.  $3\frac{3}{4} - 2\frac{1}{2} =$  \_\_\_\_\_  
 A.  $1\frac{1}{4}$                       B.  $5\frac{2}{6}$                       C.  $\frac{15}{4}$                       D.  $5\frac{1}{2}$
8. The triangle whose side lengths are 5 cm , 3 cm and 5 cm is \_\_\_\_\_  
 A. isosceles                      B. equilateral                      C. scalene                      D. otherwise
9. The fraction of the missing part of the opposite pie chart = \_\_\_\_\_  
 A. 0.5                      B. 0.25                      C. 0.4                      D. 0.8



2. Answer the following questions.

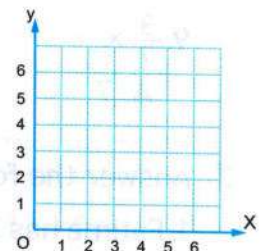
1. Find the volume of the opposite solid ?



2. If the price of a pen is  $2\frac{1}{2}$  pounds. Find the price of 4 pens ?

3. Omar ate  $\frac{1}{2}$  of the pie , and Reem ate  $\frac{1}{3}$  of the same pie. What is the total of what Omar and Reem ate ?

4. Graph the figure ABCD where :  
 A (1 , 2) , B (1 , 5) , C (5 , 5) , D (5 , 2)



5. Evaluate.  $8\frac{3}{5} - 6\frac{1}{2}$

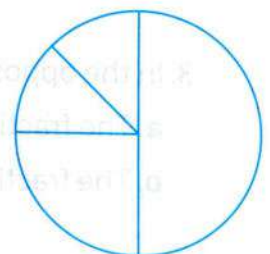
6. Find the value of m

a.  $m - 3\frac{1}{2} = 5\frac{1}{3}$

b.  $m \div \frac{1}{3} = \frac{1}{2}$

7. The following table shows the rate of the score of 200 students in one school of Cairo governorate :

Rate	Excellent	Good	Pass	Weak
Fraction	$\frac{1}{8}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{8}$



Represent these data by the opposite pie chart.

Exam 4

1. Choose the correct answer.

- The point  $(0, 9)$  lies on \_\_\_\_\_.  
A. y-axis      B. x-axis      C. origin point      D. otherwise
- The mixed number  $3\frac{5}{8}$  can be regrouped as \_\_\_\_\_.  
A.  $2\frac{13}{8}$       B.  $\frac{29}{8}$       C.  $2\frac{13}{5}$       D.  $5\frac{3}{8}$
- Which of the following is equivalent to  $\frac{5}{6}$ ?  
A.  $\frac{15}{16}$       B.  $\frac{10}{8}$       C.  $1\frac{1}{5}$       D.  $\frac{20}{24}$
- A cuboid of length 7 cm, width 4 cm and height 5 cm, then its volume = \_\_\_\_\_  $\text{cm}^3$   
A. 140      B. 70      C. 100      D. 120
- The cone has \_\_\_\_\_ vertex  
A. 0      B. 1      C. 2      D. 3
- The measure of the central angle of the circular sector that represents  $\frac{1}{4}$  of the circle is \_\_\_\_\_°  
A. 45      B. 90      C. 30      D. 180
- The x-coordinate of the origin point is \_\_\_\_\_.  
A. 0      B. 1      C. 2      D. 3
- $\frac{1}{6} + \frac{1}{3}$  \_\_\_\_\_  $\frac{9}{12} - \frac{1}{4}$   
A. =      B. >      C. <      D. otherwise
- $\frac{3}{7} \times$  \_\_\_\_\_ = 1  
A. 7      B. 3      C.  $\frac{7}{3}$       D. 1

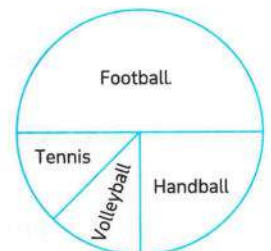
2. Answer the following questions.

- Fatima has  $2\frac{2}{4}$  kilograms of flour. She used  $1\frac{1}{4}$  kilograms to make sugar cake, find the remainder amount of flour.  
\_\_\_\_\_

- Find the area of a rectangle of length  $\frac{2}{7}$  m and width  $\frac{7}{10}$  m.  
\_\_\_\_\_

3. In the opposite pie charts :

- The fraction of Football is \_\_\_\_\_
- The fraction of Tennis is \_\_\_\_\_





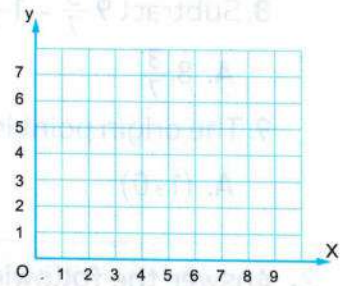
4. In the opposite coordinate plane :

a. Graph the figure ABCD where

A (4, 1), B (4, 6)

C (8, 6), D (8, 1)

b. What the name of the figure ?



5. Find the result of :  $\frac{3}{5} \times 1.5 =$  \_\_\_\_\_

6. Write the distance between B and D using the given number line

BD = \_\_\_\_\_ length units.



7. Ahmed ate  $\frac{1}{4}$  kg of fruits , Bassem ate  $\frac{2}{5}$  kg. How many kg they ate altogether ?

## Exam 5

1. Choose the correct answer.

1. The smallest like denominator for the fractions  $\frac{1}{2}$  and  $\frac{1}{3}$  is \_\_\_\_\_  
 A. 6                      B. 5                      C. 23                      D. 32

2. The area of the opposite figure = \_\_\_\_\_  $\text{cm}^2$

A. 25                      B. 10  
 C. 5                      D. 20

3. If  $8\frac{1}{2} + x = 10\frac{1}{2}$ . Then the value of x is \_\_\_\_\_

A. 1                      B. 2                      C. 3                      D. 4

4. Add  $\frac{5}{8} + \frac{1}{4} =$  \_\_\_\_\_

A.  $\frac{7}{8}$                       B.  $\frac{6}{8}$                       C.  $\frac{6}{4}$                       D.  $\frac{5}{8}$

5. The area of the opposite rectangle = \_\_\_\_\_  $\text{cm}^2$

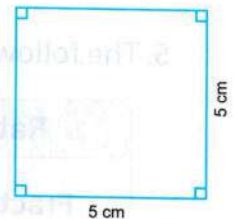
A. 1                      B. 2  
 C. 4                      D. 8

6. The circular degree of the shaded part is \_\_\_\_\_

A.  $90^\circ$                       B.  $180^\circ$   
 C.  $270^\circ$                       D.  $360^\circ$

7. The horizontal number line on a coordinate plane is called \_\_\_\_\_

A. origin                      B. x-axis                      C. y-axis                      D. ordered pair



8. Subtract  $9\frac{5}{7} - 1\frac{2}{7} =$  \_\_\_\_\_

A.  $8\frac{3}{7}$

B.  $10\frac{3}{7}$

C.  $8\frac{10}{7}$

D.  $10\frac{3}{7}$

9. The origin point is \_\_\_\_\_

A. (1, 0)

B. (0, 1)

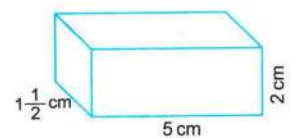
C. (0, 0)

D. (1, 1)

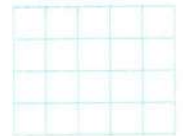
## 2. Answer the following questions.

1. Omer bought  $\frac{7}{8}$  kg of flour. He used  $\frac{3}{4}$  kg of flour to make a cake.  
How much flour is left?

2. Find the volume of the opposite cuboid.



3. Draw a rectangle with a length of 3 units and a width of 2 units.

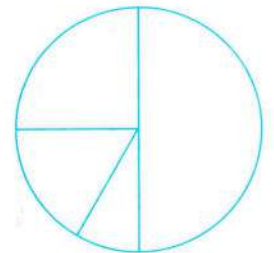


4. If 5 kg of sugar is to be packed equally in  $[\frac{1}{2}$  kg] packets then how many packets of sugar will be packed?

5. The following table shows the rate of the score of 200 students in one school:

Rate	Excellent	Good	Pass	Weak
Fraction	$\frac{3}{20}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{10}$

Represent these data by the opposite pie chart.



6. Multiply then write the result in simplest form :  $2\frac{1}{4} \times 2\frac{2}{3} =$  \_\_\_\_\_

7. How many sixths there are there in the number 10?

## Exam 6

### 1. Choose the correct answer.

1. A cuboid has 4 horizontal layers and 5 cube units in each layer, then its volume = \_\_\_\_\_ cube units.

A. 9

B. 18

C. 20

D. 24

## 2. In the opposite figure :

The circular degrees that matches the fraction of the circle that is shaded equals \_\_\_\_\_



- A.  $30^\circ$       B.  $60^\circ$       C.  $90^\circ$       D.  $120^\circ$

3. The mixed number  $1\frac{6}{9}$  is equivalent to \_\_\_\_\_

- A.  $1\frac{2}{3}$       B.  $\frac{13}{9}$       C.  $2\frac{2}{3}$       D.  $1\frac{1}{3}$

4. When moving from the origin point 6 units to the right then 3 units up , then the coordinates of the point is \_\_\_\_\_

- A. (3,6)      B. (3,9)      C. (9,6)      D. (6,3)

5. The origin point is \_\_\_\_\_

- A. (0,0)      B. (1,0)      C. (0,1)      D. (1,1)

6.  $\frac{20}{3} =$  \_\_\_\_\_

- A.  $6\frac{2}{3}$       B.  $6\frac{1}{3}$       C.  $1\frac{2}{3}$       D.  $1\frac{3}{6}$

7.  $25 \times \frac{3}{5} =$  \_\_\_\_\_

- A.  $\frac{3}{5}$       B. 5      C. 15      D. 25

8.  $4 \div \frac{2}{5} =$  \_\_\_\_\_

- A.  $\frac{2}{20}$       B. 10      C. 20      D.  $\frac{5}{8}$

9. The number of vertices of the quadrilateral pyramid is \_\_\_\_\_

- A. 2      B. 3      C. 4      D. 5

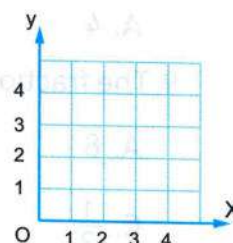
## 2. Answer the following questions.

1. A mixture contains  $5\frac{3}{4}$  liters of mango juice and  $1\frac{1}{2}$  litres of strawberry juice. Find the total amount of juice.

2. Find the total cost of  $4\frac{1}{2}$  kg of apple if the price of a kilogram is 50 L.E.

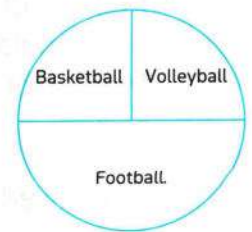
3. A box of cuboid shape the base dimensions of base are 50 cm , 40 cm and its height is 10 cm is filled with the sand , the height of sand is 8 cm. Find the volume of the sand.

4. Plot the points on the coordinates plane R (3,2), M (2,1)





5. The opposite figure represents the sectors of favorite sports of 200 pupils, what is the number of students which prefer football?



6. Evaluate:  $2\frac{1}{4} \times \frac{2}{3}$

7. Find the value of b If:  $3\frac{1}{2} + b = 7$

## Exam 7

### 1. Choose the correct answer.

1.  $2\frac{1}{3}$  hours = \_\_\_\_\_ Minutes

- A. 150      B. 120      C. 130      D. 140

2. The volume of cuboid = base area  $\times$  \_\_\_\_\_

- A. length      B. width      C. height      D. perimeter

3.  $\frac{3}{7} \times$  \_\_\_\_\_ = 1

- A.  $\frac{7}{3}$       B. 1      C.  $\frac{3}{7}$       D.  $\frac{5}{7}$

4. The point \_\_\_\_\_ located on y- axis.

- A. (4, 0)      B. (0, 4)      C. (4, 5)      D. (5, 4)

5.  $5\frac{1}{2} \times \frac{10}{11} =$  \_\_\_\_\_

- A.  $\frac{1}{5}$       B.  $\frac{1}{2}$       C. 2      D. 5

6. The area of the rectangle whose dimensions are 8 cm,  $2\frac{1}{2}$  cm is \_\_\_\_\_  $\text{cm}^2$

- A. 20      B. 5      C. 6      D. 10

7. The volume of a cuboid with dimensions 10 cm, 4 cm and 3 cm is \_\_\_\_\_

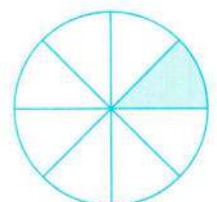
- A. 17 cm      B.  $17\text{ cm}^3$       C.  $150\text{ cm}^2$       D.  $120\text{ cm}^3$

8. The y-coordinate at point (6, 4) is \_\_\_\_\_

- A. 4      B. 6      C. 10      D. 2

9. The fraction which represents the shaded sector is \_\_\_\_\_

- A. 8      B.  $\frac{1}{4}$   
C.  $\frac{1}{3}$       D.  $\frac{1}{8}$



## 2. Answer the following questions.

1.  $5\frac{1}{7} + 3\frac{1}{2} = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

2.  $10\frac{1}{2} \div 3\frac{1}{2} = \underline{\hspace{2cm}} \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

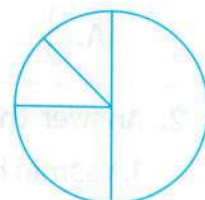
3. Sara has a piece of cloth of length 8 meters.

She divided it into number of small pieces each of length  $\frac{1}{2}$  meter.

How many pieces of cloth she got ?

4. Represent the following data by the opposite pie chart.

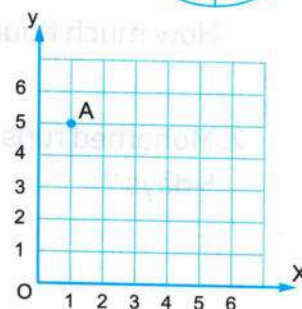
Rate	Excellent	Good	Pass	Weak
Number o students	2	8	4	2



5. On the coordinate plane :

a. The coordinate of point A (          ,          )b. Plot the point B ( 5 , 2 ) =         6. Omar ate  $\frac{1}{4}$  of the pie , and Reham ate  $\frac{1}{5}$  of the same pie.

What is the total of what Omar and Reham ate ?



7. Find the volume of a cuboid of dimensions 70 cm , 50 cm and 30 cm

**Exam 8**

## 1. Choose the correct answer.

1.  $30 = 6 \div \underline{\hspace{2cm}}$

A. 5

B.  $\frac{1}{5}$ 

C. 36

D.  $\frac{2}{5}$ 

2.  $4\frac{3}{4} = 2\frac{1}{4} + a$  , then  $a = \underline{\hspace{2cm}}$

A.  $2\frac{1}{4}$ B.  $2\frac{1}{2}$ C.  $2\frac{1}{5}$ 

D. 3

3. The point of intersecting of x-axis with y-axis in the coordinate plane is called         

A. the axis

B. the origin

C. the line

D. otherwise

4. The L.C.M. of the denominators of  $\frac{1}{6}$  ,  $\frac{2}{5}$  is         

A. 13

B. 12

C. 30

D. 14

5. The x-coordinate in the ordered pair ( 2 , 5 ) is         

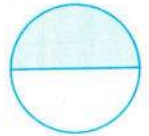
A. 1

B. 2

C. 4

D. 5

6. The unit of measuring volume is \_\_\_\_\_  
 A. cm                      B.  $\text{cm}^2$                       C.  $\text{cm}^3$                       D. km
7. Volume of a cuboid =  $36 \text{ cm}^3$  and the area of the base =  $9 \text{ cm}^2$ , then its height = \_\_\_\_\_ cm.  
 A. 2                      B. 3                      C. 4                      D. 5
8.  $\frac{5}{12} + \frac{1}{6} =$  \_\_\_\_\_  
 A.  $\frac{3}{12}$                       B.  $\frac{3}{6}$                       C.  $\frac{7}{12}$                       D.  $\frac{4}{12}$
9. The shaded part in opposite figure represents the fraction \_\_\_\_\_  
 A.  $\frac{1}{2}$                       B.  $\frac{1}{3}$                       C.  $\frac{1}{4}$                       D. 1



## 2. Answer the questions.

1. Yasmin has  $1\frac{2}{5}$  kg of flour, she used  $\frac{3}{4}$  kg to make a pizza.

How much flour is left?

2. Mohamed runs a distance of  $2\frac{1}{5}$  km every day. What's the total of distance he will run in 5 days?

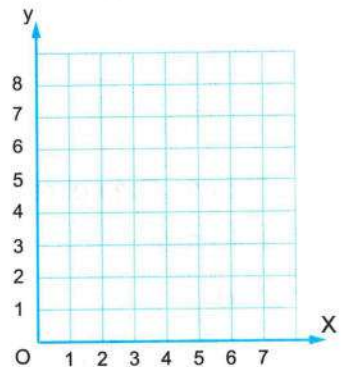
3. A cuboid of dimensions 5 m, 3 m, 2 m. Find its volume.

4. Plot the points on coordinate grid

A (5, 7), B (3, 4), C (5, 1)

, then connect the points in order.

What is the name of the polygon?

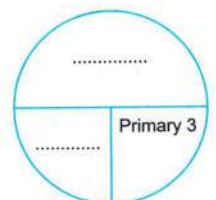


5.  $3\frac{1}{2} \times \frac{5}{7} =$  \_\_\_\_\_ by any way (with steps)

6. If  $A + 2\frac{1}{2} = 5$ , find value of A

7. Complete the pie chart using the following table :

Primary 1	Primary 2	Primary 3
$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$





## Exam 9

## 1. Choose the correct answer.

1. The L.C.M of the denominators of  $\frac{7}{12}$  and  $\frac{5}{18}$  is \_\_\_\_\_

- A. 12                      B. 36                      C. 18                      D. 6

2.  $5 \div \frac{1}{3} =$  \_\_\_\_\_

- A. 15                      B. 5                      C.  $\frac{1}{15}$                       D.  $\frac{1}{3}$

3.  $6\frac{1}{2} =$  \_\_\_\_\_  $\div 2$ 

- A. 11                      B. 12                      C. 13                      D. 14

4.  $2\frac{1}{3}$  can be regrouped as \_\_\_\_\_

- A.  $1\frac{4}{3}$                       B.  $\frac{3}{7}$                       C.  $1\frac{2}{3}$                       D. 7

5. The measure of the angle which the fraction 0.5 represents it on the circle is \_\_\_\_\_

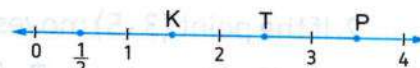
- A.  $90^\circ$                       B.  $150^\circ$                       C.  $180^\circ$                       D.  $300^\circ$

6. A cuboid has 4 horizontal layers and 6 cube units in each layer, then its volume = \_\_\_\_\_ cube units.

- A. 18                      B. 10                      C. 24                      D. 12

7. From the opposite number line :

The distance between P and K is \_\_\_\_\_ units



- A. 2                      B. 3                      C.  $2\frac{1}{2}$                       D. 1

8. The x-coordinate in ordered pair (2, 5) is \_\_\_\_\_

- A. 10                      B. 2                      C. 5                      D.  $\frac{2}{5}$

9. The circular degrees of an angle representing  $\frac{1}{4}$  of a circle is \_\_\_\_\_

- A.  $60^\circ$                       B.  $90^\circ$                       C.  $120^\circ$                       D.  $180^\circ$

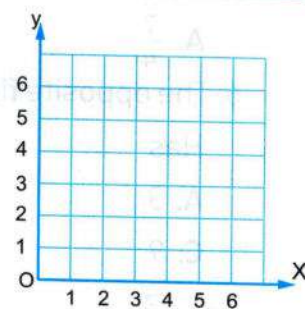
## 2. Answer the following questions.

1. Plot the points on the coordinate grid

A (2, 2), B (2, 5), C (5, 5) and D (5, 2)

Connect points in order ,

then write the name of the polygon



2. Marwa took  $2\frac{1}{3}$  hours to paint a chair and  $1\frac{1}{4}$  hours to paint a table.  
How much time did she take in all ?

3. What is the area of a rectangle of dimensions  $5\frac{1}{3}$  m and  $2\frac{1}{4}$  m ?

4. If the volume of cuboid is  $160\text{ cm}^3$  and the area of the base is  $20\text{ cm}^2$  Find the height of that cuboid.

5. There are 5 kilograms of a flour. A worker divides the flour into packages of  $\frac{1}{4}$  kg.  
How many packages will be made ?

6. What is the volume of the solid formed from folding the net square  ?

7. Find :  $2\frac{1}{2} - 1\frac{1}{4} =$  \_\_\_\_\_

## Exam 10

1. Choose the correct answer.

1. If  $\frac{1}{3} \div k = \frac{1}{9}$ , then  $k =$  \_\_\_\_\_

A. 3

B.  $\frac{1}{27}$

C.  $\frac{1}{3}$

D. 27

2. If the point (3, 5) moves up 4 units, the new position of the point is \_\_\_\_\_

A. (3, 4)

B. (3, 9)

C. (7, 5)

D. (7, 9)

3. The fraction  $\frac{5}{8}$  is nearer to the benchmark fraction \_\_\_\_\_

A. 0

B.  $\frac{1}{2}$

C. 1

D. 8

4. The circular degrees that match the fraction of the circle that is shaded = \_\_\_\_\_°

A. 30

B. 60

C. 90

D. 360



5.  $7 \div \frac{1}{4} =$  \_\_\_\_\_

A.  $\frac{7}{4}$

B.  $\frac{4}{7}$

C.  $\frac{1}{28}$

D. 28

6. The opposite figure :

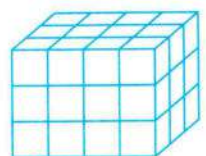
Has \_\_\_\_\_ vertical layers.

A. 3

B. 4

C. 9

D. 12



7.  $7 \times \frac{3}{7}$  \_\_\_\_\_  $7\frac{3}{7}$

A. >

B. =

C. <

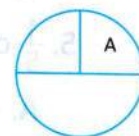
D. other wise



8. The triangle whose measures of its angles are  $40^\circ$ ,  $91^\circ$ ,  $49^\circ$  is called \_\_\_\_\_ triangle  
 A. right      B. acute      C. obtuse      D. otherwise

9. What is the fraction that represents sector A?

- A.  $\frac{3}{4}$       B.  $\frac{1}{2}$   
 C.  $\frac{1}{3}$       D.  $\frac{1}{4}$

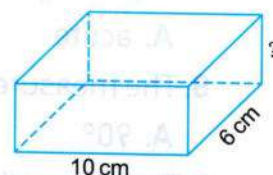


**2. Answer the following questions.**

1. Salma has  $\frac{3}{4}$  liter of juice, she drank  $\frac{1}{3}$  liter of it. How many liters are left from the juice?

**2. In the opposite figure :**

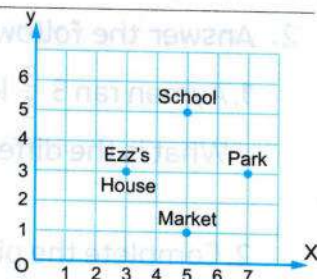
If the volume of the cuboid is  $240 \text{ cm}^3$   
 Find the value of the missing dimension ?



3. Eman bought 20 notebooks, the price of one notebook is  $1\frac{1}{5}$  pounds. What is the total amount that Eman paid ?

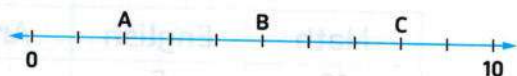
**4. In the opposite figure :**

- a. The coordinates of the park is (\_\_\_\_\_, \_\_\_\_\_)  
 b. The distance between the market and the school is \_\_\_\_\_ units.



**5. Use the number line to answer the questions :**

- a. What is the value of B ?  
 b. How far is point C from point A ?



6. Find in the simplest form :  $2\frac{2}{5} \times \frac{2}{3}$

7. Subtract :  $3\frac{2}{3} - 1\frac{3}{5} =$  \_\_\_\_\_

**Exam 11**

**1. Choose the correct answer.**

1.  $1\frac{1}{3}$  hour = \_\_\_\_\_ minutes

- A. 60      B. 70      C. 80      D. 90

2. The volume of the cuboid whose dimensions 10 cm, 8 cm, 5 cm is \_\_\_\_\_

- A. 400 cm      B.  $400 \text{ cm}^2$       C.  $400 \text{ cm}^3$       D.  $23 \text{ cm}^3$

3.  $4\frac{2}{3} + 3\frac{1}{6} =$  \_\_\_\_\_

- A.  $1\frac{1}{6}$       B.  $1\frac{2}{6}$       C.  $7\frac{1}{6}$       D.  $7\frac{5}{6}$

4.  $2\frac{1}{4} \times 2\frac{2}{3} =$  \_\_\_\_\_

A. 6

B. 2

C. 1

D.  $\frac{1}{2}$

5.  $\frac{1}{5}$  of 15 = \_\_\_\_\_

A.  $\frac{1}{3}$

B. 3

C. 20

D.  $\frac{1}{6}$

6. The circular degrees that match the fraction of the circle that is shaded = \_\_\_\_\_°

A. 30

B. 60

C. 120

D. 180



7. Any triangle has at least two \_\_\_\_\_ angles

A. acute

B. right

C. obtuse

D. straight

8. The measure of the central angle which represents  $\frac{1}{2}$  of the circle = \_\_\_\_\_

A.  $90^\circ$

B.  $120^\circ$

C.  $180^\circ$

D.  $360^\circ$

9. The y-coordinate in order pair (8, 5) is \_\_\_\_\_

A. 3

B. 5

C. 8

D. 13

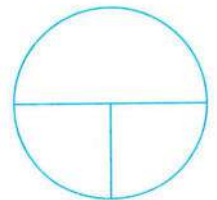
2. Answer the following questions. (showing the steps)

1. Ayman ran  $3\frac{3}{5}$  km in one day, next day he ran  $2\frac{1}{2}$  km.

What is the difference between the two distances?

2. Complete the pie chart using the following table :

Math	English	Arabic
10	5	5



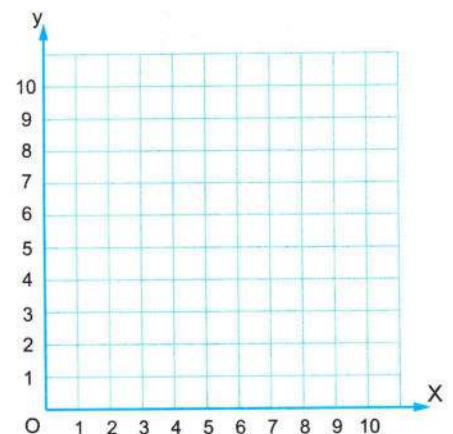
3. If the price of each book is  $10\frac{1}{2}$  L.E., Find the price of 8 books.

4. Graph the figure ABCD where A (2, 8), B (3, 4), C (8, 4) and D (7, 8), What is the name of the figure ABCD?

5. Find :  $1\frac{1}{4} + 2\frac{1}{2}$

6. Find the value of b if  $b = 2 \div \frac{1}{2}$

7. Find the volume of a rectangular prism with dimensions 3 cm, 2 cm and 2 cm.



## Exam 12

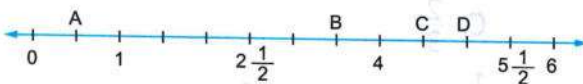
## 1. Choose the correct answer.

- \_\_\_\_\_ is one of the units of measuring volume.  
A. cm                      B. square cm                      C. cubic cm                      D. m
- The smallest like denominator for the two fractions  $\frac{2}{5}$ ,  $\frac{3}{7}$  is \_\_\_\_\_.  
A. 10                      B. 12                      C. 14                      D. 35
- $3 \div \frac{1}{2} =$  \_\_\_\_\_.  
A. 6                      B.  $\frac{2}{3}$                       C.  $\frac{3}{2}$                       D.  $\frac{1}{3}$
- The volume of the opposite figure = \_\_\_\_\_ cubic units  
A. 11                      B. 5                      C. 8                      D. 6
- The cuboid is \_\_\_\_\_ dimensional shape.  
A. a one                      B. a two                      C. a three                      D. a four
- $\frac{3}{5} \times \frac{10}{12} =$  \_\_\_\_\_ In the simplest form  
A.  $\frac{6}{10}$                       B.  $\frac{1}{4}$                       C.  $\frac{2}{3}$                       D.  $\frac{1}{2}$
- If  $7 \div H = 28$ , then  $H =$  \_\_\_\_\_.  
A.  $\frac{1}{4}$                       B. 4                      C.  $\frac{4}{7}$                       D.  $\frac{4}{28}$
- The ordered pair representing the origin point is \_\_\_\_\_.  
A. (0, 1)                      B. (1, 0)                      C. (0, 0)                      D. (1, 1)
- The circular degree that matches the shaded fraction of this circle is \_\_\_\_\_.  
A.  $30^\circ$                       B.  $180^\circ$                       C.  $90^\circ$                       D.  $270^\circ$



## 2. Answer the following questions.

- Soad has  $\frac{3}{4}$  liter of juice, she drank  $\frac{1}{3}$  liter of it. How many liters are left from the juice?  
\_\_\_\_\_
- Use the number line to answer the following:
  - The value of B is \_\_\_\_\_
  - How far is point C from point A? \_\_\_\_\_ units.
- There are 5 kilograms of orange. Amal divides the oranges in boxes of  $\frac{1}{4}$  kg. How many boxes are needed?  
\_\_\_\_\_





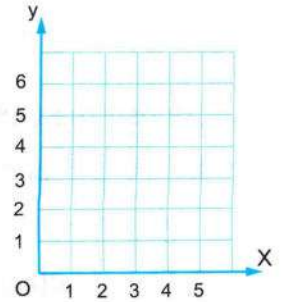
4. Locate the following points on the coordinate plane and connect the points in order.

A (1, 3), B (3, 3), C (3, 5), D (1, 5)

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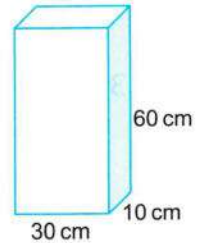


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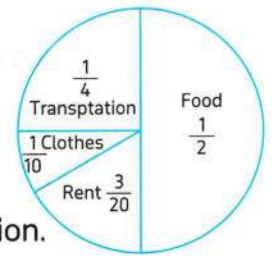
5. In the opposite figure :

- The length is \_\_\_\_\_ cm
- The width is \_\_\_\_\_ cm
- The height is \_\_\_\_\_ cm
- The volume is \_\_\_\_\_  $\text{cm}^3$



6. The following figure represents the fractions of money that a family spends weekly. If its income [the money they have] in a week is 100 pounds.

- Find the fraction of the money that the family spends on clothes.
- Find the fraction of the money that the family spends on transportation.
- How many pounds does the family spend on food ?



7.  $1 - \frac{2}{3} =$  \_\_\_\_\_

## Exam 13

1. Choose the correct answer.

1.  $\frac{5}{8} \times \frac{1}{5} =$  \_\_\_\_\_  $\frac{1}{8}$

- >
- <
- =
- otherwise

2. A rectangular prism with dimensions 2 cm , 2 cm , 3 cm , then its volume = \_\_\_\_\_  $\text{cm}^3$

- 6
- 10
- 12
- 24

3. In the opposite number line , the value of A = \_\_\_\_\_

- $\frac{1}{2}$
- $\frac{1}{3}$
- $\frac{2}{3}$
- $\frac{1}{4}$



4.  $\frac{1}{4} \times$  \_\_\_\_\_ = 1

- $\frac{1}{2}$
- $\frac{1}{4}$
- 2
- 4

5. As the \_\_\_\_\_ of the sample size , the data is more reliable.

- increase
- decrease
- reduction
- otherwise

6. A type of graph in which a circle is divided into sectors, each sector represents a part of the whole is \_\_\_\_\_

- A. line plot      B. pie chart      C. line graph      D. bar graphs

7. If  $3\frac{1}{5} + n = 5\frac{3}{5}$ , then  $n =$  \_\_\_\_\_

- A.  $2\frac{1}{5}$       B.  $2\frac{2}{5}$       C.  $8\frac{2}{5}$       D. 2

8. The L.C.M. of the denominators of  $\frac{1}{7}, \frac{3}{9}$  is \_\_\_\_\_

- A. 9      B. 63      C. 7      D. 28

9. A quadrilateral that has no lines of symmetry is \_\_\_\_\_

- A. parallelogram      B. rectangle      C. square      D. rhombus

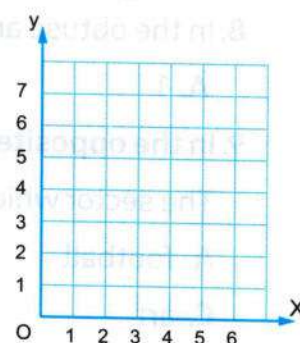
**2. Answer the following questions.**

1. Find the value of  $n$ , if  $\frac{1}{9} \div 2 = n$

2. Adel bought  $2\frac{1}{3}$  kilogram of oranges, and  $3\frac{1}{4}$  kilogram of banana. How many kilograms he bought?

3. A window in the shape of a rectangle, its length  $1\frac{1}{2}$  m and width  $1\frac{1}{4}$  m, find its area.

4. Locate the figure ABCD on the coordinate plane where A(3, 0), B(1, 3), C(3, 6), D(5, 3)



5. If  $2,160 \text{ cm}^3$  of water is poured in a vassel in the shape of a cuboid with internal length 18 cm. width 12 cm, height 15 cm, find the height of the water.

6. Evalute :  $\frac{2}{3} \times 1.5$

7. The point of intersection of x-axis and y-axis is called \_\_\_\_\_

Exam 14

1. Choose the correct answer.

1. The point \_\_\_\_\_ is located on the x-axis.

- A. (5, 1)      B. (1, 5)      C. (5, 0)      D. (0, 5)

2. The cube has \_\_\_\_\_ edges.

- A. 6      B. 12      C. 16      D. 8

3.  $1\frac{1}{2} \times 4 =$  \_\_\_\_\_

- A. 3      B. 6      C.  $6\frac{1}{2}$       D.  $5\frac{1}{2}$

4. \_\_\_\_\_  $\div 5 = \frac{1}{15}$

- A.  $\frac{1}{3}$       B.  $\frac{1}{5}$       C. 5      D. 3

5. The number of bases in opposite figure is \_\_\_\_\_

- A. 2      B. 3      C. 4      D. 1

6.  $2\frac{1}{4} - 1\frac{1}{2} =$  \_\_\_\_\_

- A.  $3\frac{1}{4}$       B.  $3\frac{2}{6}$       C.  $\frac{3}{4}$       D.  $1\frac{1}{2}$

7.  $2\frac{6}{10} =$  \_\_\_\_\_

- A.  $2\frac{3}{5}$       B.  $\frac{4}{10}$       C.  $\frac{26}{5}$       D. 5

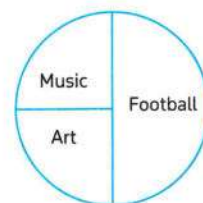
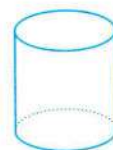
8. In the obtuse angled triangle there are \_\_\_\_\_ acute angle [s]

- A. 1      B. 2      C. 3      D. 4

9. In the opposite figure :

The sector which represents half is \_\_\_\_\_

- A. football      B. music  
C. art      D. football and art



2. Answer the following questions.

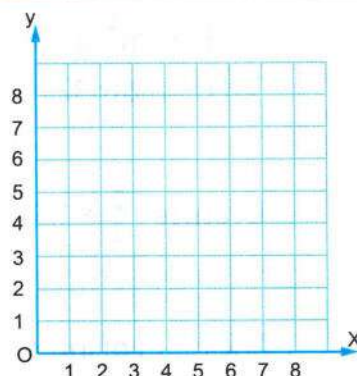
1. On the coordinate plane, plot the points

A (2, 8), B (2, 4), C (6, 4), D (6, 8)

Connect the points A, B, C, D

What is the name of the polygon?

\_\_\_\_\_





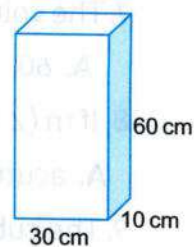
2. Find the volume of the opposite cuboid

$$V = \text{---} \times \text{---} \times \text{---} = \text{---}$$

3. If the price of one book is  $1\frac{1}{2}$  L.E. Find the price of 8 books.

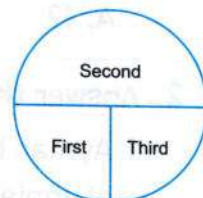
\_\_\_\_\_

\_\_\_\_\_



4. Complete using the opposite pie chart

First	Second	Third
	$\frac{1}{2}$	



5. From the opposite number line :  
How far is point B from point A ?



6. Salma bought  $\frac{8}{9}$  kg of beans , she used  $\frac{3}{4}$  kg of them to make falafel , then what is the remainder of the beans ?

7. Find.

a.  $\frac{3}{7} + \frac{4}{14} = \text{---}$

b.  $\frac{1}{3} \div \frac{1}{6} = \text{---}$

### Exam 15

1. Choose the correct answer.

1.  $\frac{3}{4} \times \frac{1}{6} = \text{---}$

A.  $\frac{3}{8}$

B.  $\frac{4}{8}$

C.  $\frac{1}{8}$

D.  $\frac{6}{8}$

2.  $\frac{5}{9} + a = \frac{8}{9}$

A.  $\frac{1}{9}$

B.  $\frac{2}{9}$

C.  $\frac{3}{9}$

D.  $\frac{4}{9}$

3. The smallest like denominator  $\frac{2}{3}$  and  $\frac{3}{4}$  is \_\_\_\_\_

A. 3

B. 6

C. 9

D. 12

4.  $\frac{18}{27} = \frac{\text{---}}{3}$

A. 3

B. 2

C. 4

D. 5

5. The angle of the shaded part is \_\_\_\_\_

A.  $60^\circ$

B.  $270^\circ$

C.  $180^\circ$

D.  $120^\circ$

6. The y-coordinate of the point (3 , 4) is \_\_\_\_\_

A. 2

B. 3

C. 4

D. 0



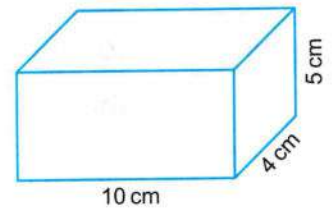


7. The volume of a rectangular prism whose dimensions 5 cm , 3 cm , 4 cm is \_\_\_\_\_  $\text{cm}^3$   
 A. 60                      B. 120                      C. 12                      D. 30
8. If  $m(\angle x) = 90^\circ$  and  $m(\angle y) = 40^\circ$  and  $m(\angle z) = 50^\circ$ , then the triangle is \_\_\_\_\_  
 A. acute                      B. right                      C. obtuse                      D. otherwise
9. The cuboid has \_\_\_\_\_ faces.  
 A. 12                      B. 8                      C. 6                      D. 9

**2. Answer the following questions.**

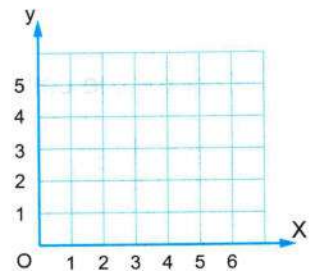
1. Ayman bought  $2\frac{3}{8}$  kilogram of apple and  $3\frac{1}{4}$  kilogram of banana , find the total weight of apple and banana ?  
 \_\_\_\_\_  
 \_\_\_\_\_

2. Find the volume of the following cuboid  
 \_\_\_\_\_



3. Marwan studied math for  $2\frac{1}{2}$  hours and science for 90 minutes how many hours did Marwan study in all ?  
 \_\_\_\_\_

4. Plot the points on XY-plane  
 A (2 , 1) , B (2 , 4) , C (5 , 1) then join these points.  
 What is the name of the figure ? \_\_\_\_\_



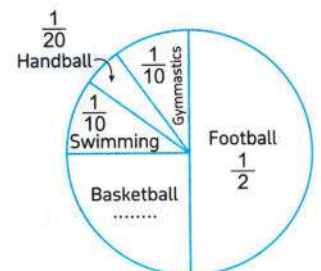
5. Ahmed's garden is 5 units long by  $\frac{2}{15}$  unit wide.  
 What is the area of Ahmed's garden ?  
 \_\_\_\_\_

6. Evalute :  $6\frac{2}{3} + 4\frac{1}{2}$

7. In the opposite figure :

If the total number of students is 100 students , then :

- a. The number of students who prefer Football is \_\_\_\_\_  
 b. The fraction which represents basketball is \_\_\_\_\_



## Exam 16

## 1. Choose the correct answer.

1.  $\frac{3}{4} - \frac{3}{5} =$  \_\_\_\_\_

A.  $\frac{2}{20}$

B.  $\frac{1}{20}$

C.  $\frac{3}{20}$

D.  $\frac{6}{20}$

2. If the volume of a cuboid =  $60 \text{ cm}^3$  and its base area =  $30 \text{ cm}^2$ , then its height = \_\_\_\_\_ cm.

A. 2

B. 5

C. 6

D. 15

3.  $3\frac{2}{5} \times 5 =$  \_\_\_\_\_

A.  $\frac{17}{5}$

B. 5

C. 17

D.  $3\frac{1}{5}$

4. The simplest form of  $2\frac{25}{40}$  is \_\_\_\_\_

A.  $2\frac{8}{5}$

B.  $2\frac{10}{40}$

C.  $2\frac{5}{8}$

D.  $1\frac{12}{20}$

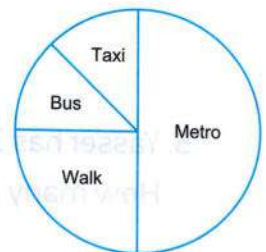
5. The opposite pie chart shows the results of a survey that was carried out to find out how students travel to school. What is the most common method of travel?

A. Walk

B. Bus

C. Taxi

D. Metro



6.  $2\frac{1}{3} \times 1\frac{2}{7} =$  \_\_\_\_\_

A. 3

B. 4

C. 5

D.  $2\frac{3}{21}$

7. From the opposite number line, the distance between A and B = \_\_\_\_\_ units

A. 3

B. 6

C. 7

D. 9



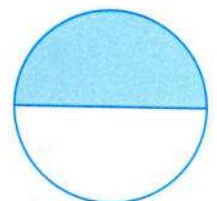
8. The circular degree that matches the fraction of the circle that is shaded = \_\_\_\_\_

A.  $45^\circ$

B.  $90^\circ$

C.  $180^\circ$

D.  $270^\circ$



9. The cylinder has \_\_\_\_\_ base [s]

A. 1

B. 2

C. 0

D. 3

## 2. Answer the following questions :

1. Ali studied Arabic for  $1\frac{1}{2}$  hours and Science for  $2\frac{1}{4}$  hours.

How many hours did Ali study in all ?

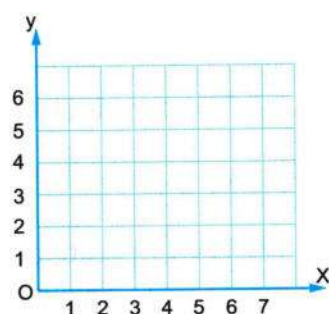
2. Evaluate :  $\frac{1}{3} \div 4$

3. A window in the shape of a rectangle of  $\frac{3}{10}$  meter wide and 2 meters long what is the area of the window in square meters ?

4. Plot the points on the coordinate grid.

A (2, 2), B (2, 5)

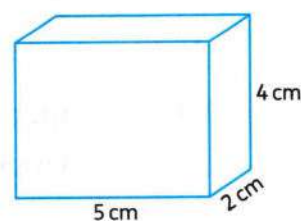
C (5, 5), D (5, 2)



5. Yasser has 30 feddans of agriculture land , he planted  $\frac{5}{6}$  of the land .

How many feddans were planted ?

6. Volume = \_\_\_\_\_  $\times$  \_\_\_\_\_  $\times$  \_\_\_\_\_  
= \_\_\_\_\_  $\text{cm}^3$



7. The following table shows the fraction of chicken production for three farms during October :

The farm	First	Second	Third	Total
The fraction	$\frac{1}{4}$	$\frac{1}{2}$	?	1

The fraction that represents the third farm = \_\_\_\_\_

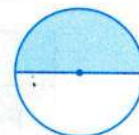


## Exam 17

## 1. Choose the correct answer.

1. The smallest like denominator for  $\frac{1}{2}$  and  $\frac{3}{5}$  is \_\_\_\_\_  
 A. 1                                      B. 2                                      C. 3                                      D. 10

2. The decimal that represents the shaded part of the pie charts = \_\_\_\_\_  
 A. 0.25                                      B. 0.5                                      C. 0.1                                      D. 0.15



3. The volume of cuboid = length  $\times$  width  $\times$  \_\_\_\_\_  
 A. area                                      B. perimeter                                      C. height                                      D. 2

4. In the opposite figure the circular degrees that match the shaded fraction of the circle = \_\_\_\_\_°  
 A. 45                                      B. 90                                      C. 180                                      D. 60



5.  $\frac{1}{2} \div 5 =$  \_\_\_\_\_  
 A.  $\frac{1}{10}$                                       B.  $\frac{2}{5}$                                       C.  $\frac{5}{2}$                                       D. 10

6.  $\frac{1}{2}$  year = \_\_\_\_\_ months.  
 A. 12                                      B. 6                                      C. 3                                      D. 4

7.  $1\frac{2}{5} \times \frac{3}{7} =$  \_\_\_\_\_  
 A.  $\frac{3}{5}$                                       B.  $\frac{5}{7}$                                       C.  $\frac{5}{35}$                                       D.  $\frac{5}{12}$

8. The x-coordinate of the ordered pair (3, 2) is \_\_\_\_\_  
 A. 5                                      B. 0                                      C. 3                                      D. 2

9. The solid which has no edges, no faces, no vertices is called \_\_\_\_\_  
 A. cube                                      B. sphere                                      C. cone                                      D. cuboid

## 2. Answer the following questions.

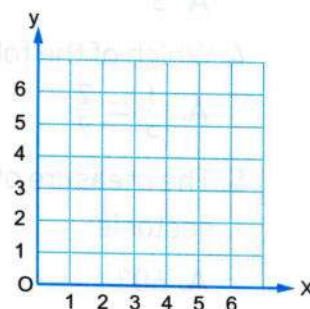
1. Waleed collected  $8\frac{3}{4}$  kg of orange. He gave his brother  $2\frac{1}{4}$  kg of them.  
 How many kilograms are left?

## 2. In the opposite coordinate plane:

Graph the figure ABCD where:

A (1, 1), B (1, 4)

, C (6, 4), D (6, 1)

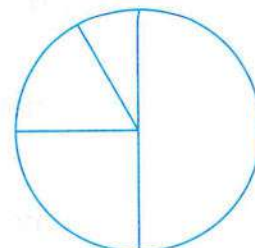


3. A cuboid whose volume is  $400 \text{ cm}^3$  and base area is  $80 \text{ cm}^2$ , find the height of this cuboid.

4. The following table shows the rate of the score of 200 students in one school of Cairo governorate.

Rate	excellent	good	pass	weak
Fraction	$\frac{3}{20}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{10}$

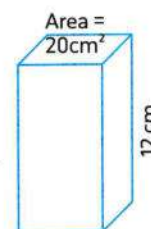
Represent the data by the opposite Pie chart.



5. Find the area of a rectangle of length  $1\frac{1}{2} \text{ m}$  and width 3 m.

6. If the price of 9 pens is 72 L.E. Find the price of each pen.

7. Radwa says that more information is needed to find the volume of the rectangular prism.  
Do you agree or disagree ? and Why ?



## Exam 18

1. Choose the correct answer.

1. The y-coordinate of point (9, 5) is \_\_\_\_\_

- A. 4                      B. 5                      C. 9                      D. 14

2.  $4\frac{3}{5} - 2\frac{1}{3} =$  \_\_\_\_\_

- A.  $2\frac{2}{5}$                       B. 3                      C.  $2\frac{4}{15}$                       D.  $2\frac{2}{15}$

3.  $3 \times \frac{2}{3} =$  \_\_\_\_\_

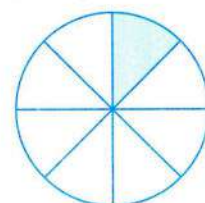
- A. 3                      B. 6                      C. 2                      D. 18

4. Which of the following is correct ?

- A.  $\frac{1}{5} = \frac{2}{7}$                       B.  $\frac{2}{3} = \frac{10}{15}$                       C.  $\frac{1}{5} = \frac{3}{7}$                       D.  $\frac{1}{2} = \frac{4}{5}$

5. The measure of central angel that represents the opposite colored sector is \_\_\_\_\_

- A.  $60^\circ$                       B.  $30^\circ$   
C.  $45^\circ$                       D.  $90^\circ$



6. If  $5 \div a = 15$  then  $a =$  \_\_\_\_\_

A.  $\frac{1}{3}$

B.  $\frac{1}{15}$

C.  $\frac{3}{5}$

D. 3

7. In the opposite figure :

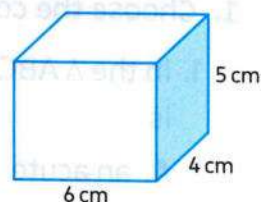
The volume of the cuboid = \_\_\_\_\_  $\text{cm}^3$

A. 54

B. 120

C. 34

D. 180



8. From the opposite number line :

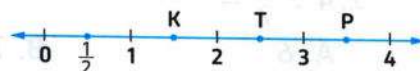
The distance between P and K is \_\_\_\_\_ units.

A. 2

B. 3

C.  $2\frac{1}{2}$

D.  $3\frac{1}{5}$



9. The \_\_\_\_\_ has one vertex.

A. cube

B. cylinder

C. cone

D. sphere

2. Answer the following questions.

1. Multiply then put the result in simplest form :  $2\frac{1}{4} \times 2\frac{2}{3} =$  \_\_\_\_\_

2. A mosque has a window that is  $\frac{4}{5}$  m wide and  $1\frac{1}{4}$  m long. What is the area of window in square meter ?  
\_\_\_\_\_

3. Subtract :  $2\frac{2}{3} - 1\frac{3}{5} =$  \_\_\_\_\_

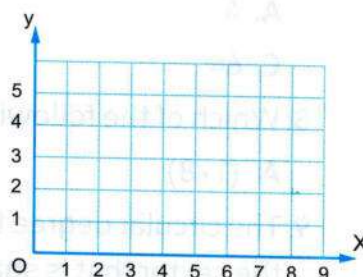
4. Plot the point on the coordinate grid , then join in order :

A (2 , 1)

, B (3 , 4)

, C (6 , 4)

, D (7 , 1)

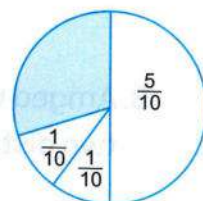


5. Adel has 5 pieces of candy , he wants to divide them among a number of his friends. If each of them has a share  $\frac{1}{2}$  piece , how many friends does he have ?  
\_\_\_\_\_

6. A carpenter makes a box of wood whose length is 60 cm , its width is 50 cm , and its height is 80 cm , find the volume of the box.  
\_\_\_\_\_

7. In the opposite figure :

What is the fraction that represents the shaded part ? \_\_\_\_\_

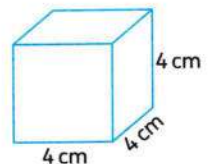




Exam 19

1. Choose the correct answer.

1. In the  $\triangle ABC$ , if  $m(\angle A) = 50^\circ$ ,  $m(\angle B) = 60^\circ$  and  $m(\angle C) = 70^\circ$ , then the triangle is \_\_\_\_\_ angled-triangle.  
 A. an acute                      B. a right                      C. an obtuse                      D. an isosceles
2.  $4 \div \frac{1}{2} =$  \_\_\_\_\_  
 A. 6                      B. 7                      C. 8                      D.  $4 \frac{1}{2}$
3. Area of rectangle = \_\_\_\_\_  
 A.  $L \times W$                       B.  $L + W$                       C.  $L \div W$                       D.  $[L + w] \times 2$
4. The \_\_\_\_\_ has only one pair of parallel sides.  
 A. square                      B. trapezium                      C. rhombus                      D. rectangle
5. The y-coordinate of (0, 7) is \_\_\_\_\_  
 A. 0                      B. 7                      C. 70                      D. 1
6. If  $2\frac{3}{5} + x = 3$ , then  $x =$  \_\_\_\_\_  
 A.  $\frac{5}{3}$                       B.  $\frac{13}{5}$                       C.  $2 + \frac{3}{5}$                       D.  $\frac{2}{5}$
7. The volume of the opposite solid is \_\_\_\_\_  $\text{cm}^3$   
 A. 4                      B. 20  
 C. 64                      D. 12
8. Which of the following points is located on x-axis?  
 A. (1, 8)                      B. (0, 1)                      C. (1, 1)                      D. (7, 0)
9. The circular degree that matches the fraction of the sector that is shaded = \_\_\_\_\_  
 A. 60                      B. 90                      C. 120                      D. 180



2. Solve the following problems.

1. Find the volume of a cuboid of length 7 cm, width 5 cm and height 2 cm.

\_\_\_\_\_

2. Multiply then write the result in simplest form :  $1\frac{3}{5} \times 1\frac{1}{9} =$  \_\_\_\_\_

\_\_\_\_\_

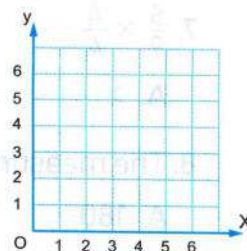
3. Amged walked  $\frac{3}{4}$  km and Bassem walked  $\frac{2}{5}$  km, what is the difference between the two distances?

\_\_\_\_\_



4. a. Plot the points on the coordinate grid.

A (2, 2), B (2, 5)  
C (5, 5) and D (5, 2)



b. Connect the points in order, then write the name of the polygon and its area.

The name of the polygon is \_\_\_\_\_

Its area = \_\_\_\_\_ square unit.

5. The circular degree that match the fraction of the circle that is shaded = \_\_\_\_\_°



6. A road is 10 km long, if  $4\frac{2}{7}$  km are paved.

How many kilometers are not paved?

7. Marwan was training for  $1\frac{1}{2}$  hr, then he stopped for drinking water, then he trained for  $\frac{3}{4}$  hr. How many hours did he train?

## Exam 20

1. Choose the correct answer.

1. The smallest like denominator of  $\frac{3}{4}$ ,  $\frac{2}{3}$  is \_\_\_\_\_

A. 7

B. 12

C. 10

D. 6

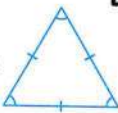
2. The volume of cuboid = length  $\times$  \_\_\_\_\_  $\times$  height

A. width

B. height

C. base area

D. itself

3. This triangle  is \_\_\_\_\_ angled triangle.

A. right

B. acute

C. obtuse

D. otherwise

4.  $2 \times \frac{1}{3} =$  \_\_\_\_\_

A. 6

B.  $\frac{1}{6}$

C.  $\frac{3}{2}$

D.  $\frac{2}{3}$

5. The x-coordinate in order pair (3, 7) is \_\_\_\_\_

A. 7

B. 3

C. 73

D. 37

6.  $\frac{2}{5} \times \frac{2}{7} =$  \_\_\_\_\_

A.  $\frac{6}{35}$

B.  $\frac{4}{35}$

C.  $\frac{4}{12}$

D. 1

7.  $\frac{5}{9} \times \frac{4}{4}$  \_\_\_\_\_  $\frac{5}{9}$

A. >

B. <

C. =

D. otherwise

8. The measure of the central angel of the sector that represents  $\frac{1}{2}$  of the circle is \_\_\_\_\_°

A. 180

B. 120

C. 360

D. 90

9. In the opposite pie chart , the fraction of swimming is \_\_\_\_\_

A.  $\frac{1}{2}$

B.  $\frac{1}{3}$

C.  $\frac{1}{4}$

D.  $\frac{1}{5}$



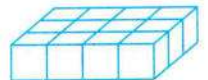
## 2. Answer the following questions.

1. Mohamed studied math for  $2\frac{3}{4}$  hour and science for  $1\frac{1}{2}$  hour , how many hours did he study in all ?

2. Find :  $3\frac{1}{3} \times \frac{1}{7} =$  \_\_\_\_\_

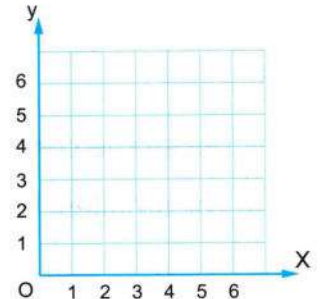
3. In the opposite figure :

Number of cube units = \_\_\_\_\_



4. In the opposite coordinate plane graph the figure ABCD where :

A (1,1), B (5,1), C (5,4) and D (1,4)



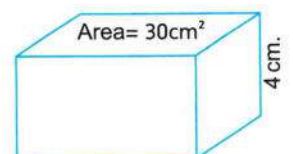
5. The fraction represents the shaded part = \_\_\_\_\_



6. The rectangle of dimensions  $\frac{1}{3}$  length unit and  $\frac{1}{5}$  length unit.

Its area = \_\_\_\_\_

7. Find the volume of the opposite cuboid ?



حمل الآن

مجانا وحصريا

# امتحانات رقم (3)

## الترم الثاني



# Model

1

**Q1: Choose the correct answer:**

1  $\frac{1}{2}$  hours = ..... minute (60 or 30 or 20 or 10)

2  $\frac{1}{2} \times 6 = \dots\dots\dots$  (6 or  $\frac{1}{2}$  or 3 or  $\frac{1}{3}$ )

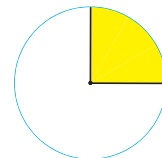
3 The area of rectangle = .....  $\times$  W. (L or W or H or base area)

4  $9\frac{1}{3} - 7\frac{1}{4} = \dots\dots\dots$  ( $\frac{3}{4}$  or  $\frac{1}{12}$  or  $1\frac{2}{7}$  or  $2\frac{1}{12}$ )

5 The volume of a cuboid of dimensions of 10m, 3m, 3m, is .....  $m^3$ .  
(90 or 12 or 10 or 30)

6 The origin point = ..... ((0, 1) or (0, 0) or (0, 2) or (1, 2))

7 The measure of the central angle which represents the shaded part is ..... ( $30^\circ$  or  $60^\circ$  or  $90^\circ$  or  $80^\circ$ )



8 The measure of an obtuse angle is   $90^\circ$  (< or > or = or otherwise)

9 The triangle whose sides length are ..... is an isosceles triangle.  
(7cm, 7cm, 7cm or 5cm, 5cm, 7cm or 8cm, 6cm, 9cm or 4cm, 5cm, 3cm)

**Q2: Answer the following questions:**

1 Find:  $3\frac{3}{7} - 1\frac{2}{7} = \dots\dots\dots$

2 Mona took  $2\frac{1}{3}$  hours to paint a table, and  $1\frac{2}{3}$  hours to paint a chair.

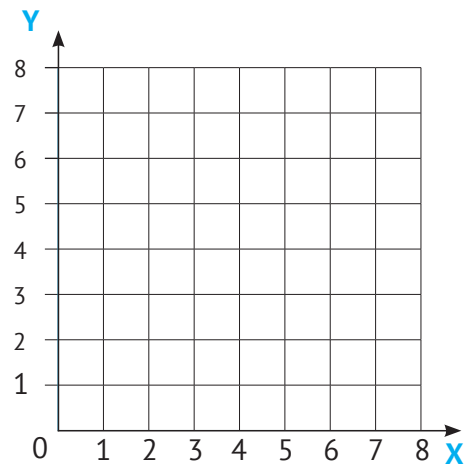
How much time did she take in all?

3 Find the area of a rectangle of the length  $\frac{1}{7}$  cm and width  $\frac{1}{5}$  cm.

4 In the opposite coordinate plane:

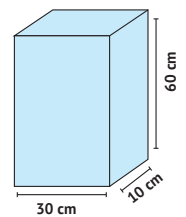
Graph the figure ABCD where

A (2 , 2) , B (2 , 6) , C (5 , 6) , D (5 , 2).



5 Find the volume of the opposite cuboid:

$V = \dots \times \dots \times \dots = \dots$

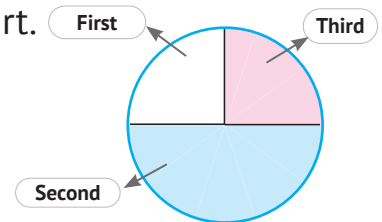


6 If the price of a book is  $1\frac{1}{2}$  LE, find the price of 8 books.

.....  
 .....

7 Complete the table using the opposite pie chart.

First 1 <sup>st</sup>	.....	Third 3 <sup>rd</sup>
.....	$\frac{1}{2}$	.....



# Model

2

**Q1: Choose the correct answer:**

①  $5\frac{1}{3} = \dots\dots\dots$  (as improper fraction) (12 ☐ or  $\frac{4}{13}$  ☐ or  $\frac{16}{3}$  ☐ or  $\frac{1}{2}$ )

②  $\frac{3}{5} \times \dots\dots\dots = 1$  ( $\frac{5}{3}$  ☐ or  $1\frac{3}{5}$  ☐ or  $\frac{8}{5}$  ☐ or  $\frac{3}{5}$ )

③ The point  $\dots\dots\dots$  is located on x-axis. ((4 , 5) ☐ or (5 , 4) ☐ or (4 , 0) ☐ or (0 , 4))

④  $2\frac{1}{5} \times \frac{15}{11} = \dots\dots\dots$  . ( $\frac{1}{5}$  ☐ or  $\frac{1}{2}$  ☐ or 3 ☐ or 2)

⑤ The smallest common denominator of the fractions  $\frac{2}{3}$  and  $\frac{4}{5}$   $\dots\dots\dots$  .  
(27 ☐ or 15 ☐ or 5 ☐ or 3)

⑥ The area of a rectangle whose dimensions are 4cm ,  $2\frac{1}{2}$  cm  
is  $\dots\dots\dots$  cm<sup>2</sup>. (20 ☐ or 6 ☐ or 5 ☐ or 10)

⑦ The triangle with 3-acute angles is called  $\dots\dots\dots$  angled triangle.  
(right ☐ or obtuse ☐ or scalene ☐ or acute)

⑧ The volume of cuboid= base area  $\times \dots\dots\dots$  .  
(length ☐ or width ☐ or height ☐ or perimeter)

⑨ If the side lengths of the triangle are different, then this triangle is called  
a/an  $\dots\dots\dots$  triangle. (equilateral ☐ or scalene ☐ or isosceles ☐ or trapezium)

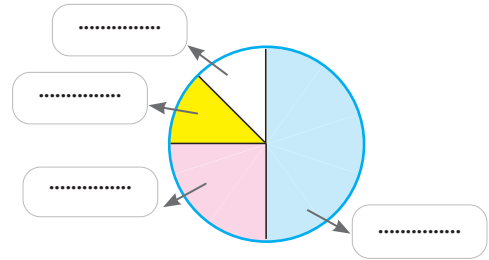
**Q2: Answer the following questions:**

① Sara has a piece of cloth of a length of 6 meters. She divided it into a number of small pieces, each of length  $\frac{1}{4}$  meter. **How many** pieces of cloth did she get?

.....  
.....

- 2 The following table shows the rate of the score students in school:

Rate	Excellent	Good	Pass	Weak
Fraction	$\frac{1}{8}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{8}$



Write the suitable fraction on each sector on the opposite figure.

3  $5\frac{1}{7} + 3\frac{1}{2} = \dots\dots\dots$

4  $10\frac{1}{2} \div 3\frac{1}{2} = \dots\dots\dots \div \dots\dots\dots = \dots\dots\dots = \dots\dots\dots$

- 5 Rania bought  $\frac{11}{15}$  kg of flour, and used  $\frac{3}{5}$  kg of it. How many kg is remaining of flour?

.....

.....

- 6 If the price of each book is  $10\frac{1}{2}$  LE, find the price of 8 books.

.....

.....

- 7 Graph the figure ABCD where  
A (2 , 8), B (3 , 4) , C (8 , 4) , D (7 , 8)

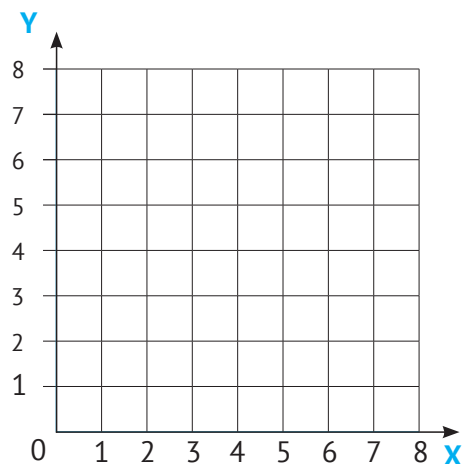
What is the name of the figure ABCD?

.....

.....

.....

.....





# Model

3

**Q1: Choose the correct answer:**

1 The LCM of the denominators of  $\frac{7}{12}$  and  $\frac{5}{18}$  is .....

(6 or 18 or 36 or 12)

2 The x-coordinate in the ordered pair (5 , 2) is ..... (5 or 2 or 10 or  $\frac{2}{5}$ )

3 Any triangle has at least ..... acute angle(s). (1 or 2 or 3 or 4)

4  $\frac{24}{28}$  is equivalent to ..... ( $\frac{6}{7}$  or  $\frac{3}{4}$  or  $\frac{4}{7}$  or  $1\frac{1}{6}$ )

5 The ..... has only one pair of parallel sides.

(parallelogram or rhombus or trapezium or square)

6 The triangle whose measures of its angles are  $40^\circ$  ,  $50^\circ$  , and  $90^\circ$  is called ..... -angled triangle.

(a right or an acute or an obtuse or a straight)

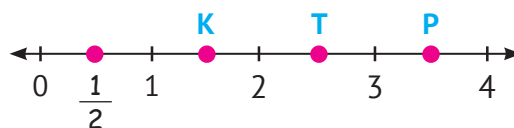
7 If  $\frac{3}{17} + b = \frac{6}{17}$  , then  $b =$  ..... ( $\frac{3}{17}$  or  $\frac{1}{2}$  or  $1\frac{1}{2}$  or 1)

8 A cuboid has 4 horizontal layers and 6 cube units in each layer, then its volume = ..... cube units. (18 or 10 or 24 or 12)

9 From the opposite number line:

The distance between P and K

is ..... units.



(2 or 3 or  $2\frac{1}{2}$  or 2)

## Q2: Answer the following questions:

- ① If the volume of a cuboid =  $160\text{cm}^3$  and the area of the base is  $20\text{cm}^2$ .  
Find the height of that cuboid.

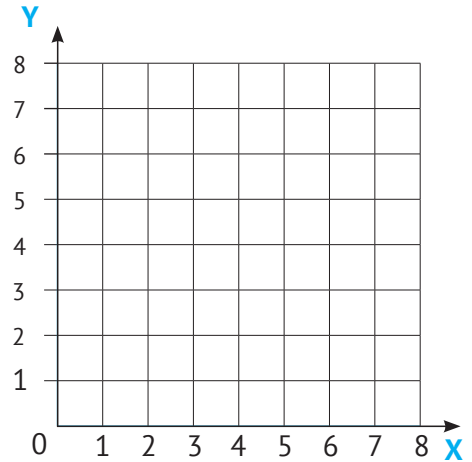
.....  
.....

- ② Plot the points on the coordinate grid

A (2, 2), B (2, 5), C (5, 5), D (5, 2)

Connect points in order, then  
write the name of the polygon.

.....  
.....



- ③ Marwan took  $2\frac{1}{3}$  hours to paint a chair and  $1\frac{1}{4}$  hours to paint a table.  
How much time did she take in all?

.....  
.....

- ④ What is the area of the rectangle of dimensions  $5\frac{1}{3}$  m and  $2\frac{1}{4}$  m?

.....  
.....

- ⑤ If  $\frac{1}{9} \div n = 2$ , then find the value of n.

.....

- ⑥ Adel bought  $2\frac{1}{3}$  kilograms of oranges, and  $3\frac{1}{4}$  kilograms of bananas,  
How many kilograms did he buy?

.....

- ⑦ A window in the shape of a rectangle, its length  $1\frac{1}{2}$  m and width  $1\frac{1}{4}$  m, then its area = .....

.....

# Model

4

**Q1: Choose the correct answer:**

1  $4\frac{1}{4} - 3\frac{1}{2} = \dots\dots\dots$

(1 ☐  $\frac{3}{4}$  3 ☐  $\frac{3}{4}$  ☐  $\frac{1}{4}$   $1\frac{1}{4}$ )

2  $\frac{1}{2} \div 5 = \dots\dots\dots$

(5  $\frac{1}{2}$  ☐  $\frac{2}{5}$  ☐  $\frac{1}{10}$  ☐  $\frac{2}{5}$ )

3  $\frac{2}{5} \times \frac{5}{7} = \dots\dots\dots$

( $\frac{1}{2}$  ☐  $\frac{5}{7}$  ☐  $\frac{2}{7}$  ☐  $\frac{2}{5}$ )

4 The same denominator of  $\frac{1}{3}$  and  $\frac{1}{8}$  is  $\dots\dots\dots$ . (12 ☐ 16 ☐ 30 ☐ 24)

5 The triangle whose side lengths are 5 cm , 5cm , and 6cm is  $\dots\dots\dots$

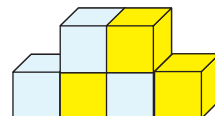
triangle. (an equilateral ☐ an isosceles ☐ a scalene ☐ a right)

6  $1\frac{1}{5} \times 4 = \dots\dots\dots$

(4  $\frac{1}{5}$  ☐  $1\frac{4}{5}$  ☐  $4\frac{4}{5}$  ☐  $5\frac{1}{4}$ )

7 The volume of the opposite figure

=  $\dots\dots\dots$  cubic units (4 ☐ 5 ☐ 7 ☐ 6)



8 The point (3 , 0) lies on  $\dots\dots\dots$  -axis.

(x ☐ y ☐ l ☐ m)

9 The solid which has 0 edges, 0 vertices, and 0 faces is a  $\dots\dots\dots$ .

(cube ☐ cuboid ☐ sphere ☐ cone)

**Q2: Answer the following questions:**

1 Omar ate  $\frac{1}{3}$  of the pie, and Ahmed ate  $\frac{2}{5}$  of the same pie. What is the total of what Ahmed and Omar ate?

.....

.....

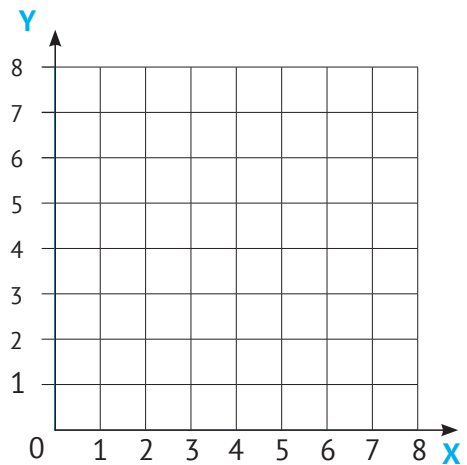
2 Plot the points on the X Y plane:

A (1 , 1), B (1 , 4) , C (5 , 1)

Then join these points, the name of the resulted shape is .....

its type is .....

because  $m(\angle \dots) = 90^\circ$

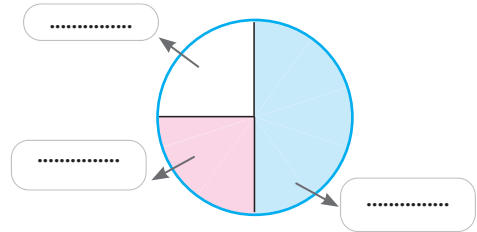


3 Find the area of a rectangle of length  $\frac{1}{6}$  m and width 3 m.

.....  
.....

4 Complete the pie chart using the following table:

Primary 1	Primary 2	Primary 3
$\frac{1}{4}$	$\frac{1}{4}$	.....



5 If the price of each book is  $10\frac{1}{2}$  pounds, find the price of 6 books.

.....  
.....

6 A cuboid whose volume is  $4,000 \text{ cm}^3$  and base area is  $800 \text{ cm}^2$ . Find the height of this cube.

.....  
.....

7 Seif studied math for  $1\frac{1}{2}$  hours and science for 30 minutes. How many hours did Seif study in all?

.....  
.....

# Model

5

**Q1: Choose the correct answer:**

1  $\frac{3}{4} - \frac{3}{5} = \dots\dots\dots$

( $\frac{7}{20}$  or  $\frac{3}{20}$  or  $\frac{3}{4}$  or  $\frac{3}{5}$ )

2  $\frac{1}{4} \div 3 = \dots\dots\dots$

( $\frac{3}{4}$  or  $\frac{4}{3}$  or  $\frac{1}{12}$  or 12)

3 The area of a rectangle =  $\dots\dots\dots$

( $L \times W$  or  $L + W$  or  $L \div W$  or  $L - W$ )

4  $\frac{3}{5} \times \frac{5}{3} = \dots\dots\dots$

(1 or 8 or 11 or 15)

5  $\frac{3}{5} + \frac{2}{5} = \dots\dots\dots$

( $\frac{5}{10}$  or 1 or  $\frac{6}{25}$  or  $\frac{5}{25}$ )

6 The  $\dots\dots\dots$  has 2 circular base.

(cone or pyramid or cylinder or cube)

7 In  $\triangle ABC$ ,  $m(\angle A) = 50^\circ$ ,  $m(\angle B) = 90^\circ$ ,  $m(\angle C) = 40^\circ$  then the triangle is called  $\dots\dots\dots$ -angled triangle.

(acute or right or obtuse or otherwise)

8 The triangle whose side lengths are 3cm, 4cm, 5cm is called a  $\dots\dots\dots$ .

(scalene or isosceles or equilateral or otherwise)

9 The volume of a cuboid of dimensions of 2cm, 3cm, and 10 cm =  $\dots\dots\dots$   $\text{cm}^3$ .

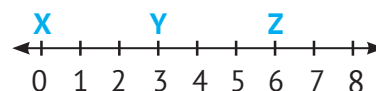
(20 or 15 or 60 or 90)

**Q2: Answer the following questions:**

1 From the opposite number line. Find:

A  $XY = \dots\dots\dots$  length unit(s).

B  $YZ = \dots\dots\dots$  length unit(s).



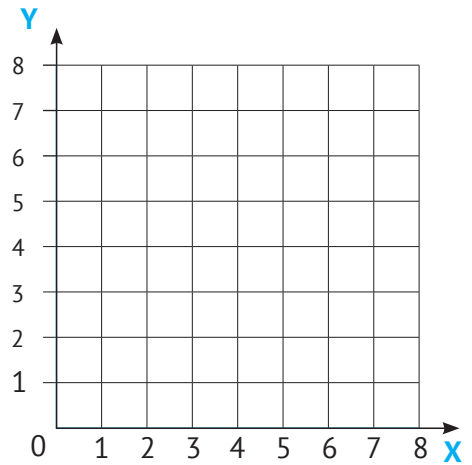


2 In the opposite coordinate plane:

A Graph the figure ABCD where  
A (2 , 6), B (2 , 2), C (5 , 2), D (5 , 6).

B What is the length of  $\overline{AD}$ ?

.....  
.....  
.....

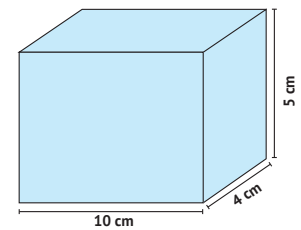


3 Ayman bought  $2\frac{3}{8}$  kilograms of apples and  $3\frac{1}{4}$  kilograms of bananas,  
Find the total weight of kilograms of apples and bananas.

.....  
.....

4 Find the volume of the opposite cuboid.

.....  
.....

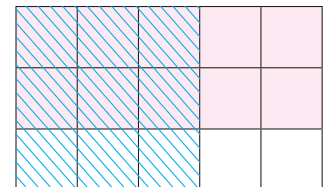


5 Marwan studied math for  $2\frac{1}{2}$  hours and science for 90 minutes. How  
many hours did Marwan study in all?

.....  
.....

6 Write the multiplication problem expressed  
in the opposite model, then find the product:

..... X ..... = .....



7 Two boxes of equal volume, the first box has dimensions of 8cm, 6cm  
and 3 cm, and the other box has a base area of  $16\text{cm}^2$ .  
Find the height of the other box.

.....  
.....

# Model

6

**Q1: Choose the correct answer:**

1  $\frac{3}{4} - \frac{3}{5} = \dots\dots\dots$  .  $(\frac{3}{20} \text{ or } \frac{4}{20} \text{ or } \frac{5}{20} \text{ or } \frac{6}{20})$

2 If  $m(\angle X) = 90^\circ$ ,  $m(\angle Y) = 40^\circ$ ,  $m(\angle Z) = 50^\circ$  then the triangle is  
 ..... triangle. (an acute or right or obtuse or otherwise)

3  $\frac{1}{3}$  hours = ..... minutes. (10 or 20 or 30 or 60)

4  $\frac{3}{5} \times \dots\dots\dots = 1$   $(\frac{5}{3} \text{ or } 1 \frac{3}{5} \text{ or } \frac{8}{5} \text{ or } \frac{3}{5})$

5 The area of a rectangle whose dimensions are 4cm,  $2\frac{1}{2}$  cm is  
 .....  $\text{cm}^2$ . (10 or 5 or 6 or 20)

6 The LCM of the denominators of  $\frac{7}{12}$  and  $\frac{5}{18}$  is .....  
 (12 or 36 or 18 or 6)

7 The measure of the central angle of the circular sector that  
 represents  $\frac{1}{2}$  the Circle .....  $(90^\circ \text{ or } 180^\circ \text{ or } 120^\circ \text{ or } 60^\circ)$

8 The simplest form of  $\frac{12}{18}$  is .....  $(\frac{2}{3} \text{ or } \frac{4}{5} \text{ or } \frac{1}{2} \text{ or } \frac{1}{4})$

9 A parallelogram that has four equal sides is .....  
 (rectangle or rhombus or square or kite)

**Q2: Answer the following questions:**

1 Find three equivalent fractions for  $\frac{2}{7}$ .  
 .....  
 .....

2  $4\frac{2}{3} + 2\frac{3}{4} = \dots\dots\dots$

- 3 Find the quotient:  $6 \div \frac{1}{3} =$

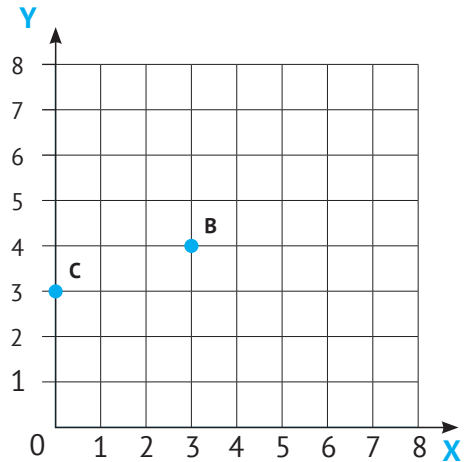
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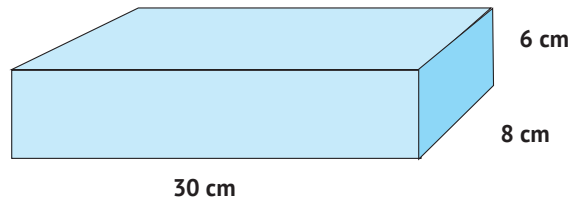
- 4 A triangle with side lengths of 5cm, 3cm, and 4cm is called a ..... triangle (according to its side lengths).

- 5 In the given figure, the coordinates of point B are (....., .....).

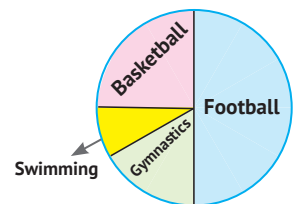


- 6 Write the equation that can be used to find the volume  $V$ , then find Volume of the opposite cuboid.

$V =$  .....



- 7 The following pie chart shows the favorite game of a number of pupils. Which game do most pupils prefer?




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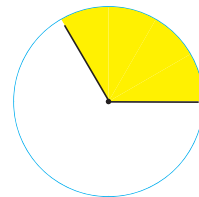
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# Model

7

## Q1: Choose the correct answer:

- 1 In the opposite figure: Select the circular degrees that match the fraction of the circle that is shaded  
.....  
(30° or 60° or 90° or 120°)



- 2  $25 \times \frac{3}{5} =$  .....  
( $\frac{3}{5}$  or 4 or 15 or 25)

- 3  $4 \times \frac{1}{5}$  .....  $4 \times \frac{1}{6}$   
( $>$  or  $<$  or  $=$  or otherwise)

- 4  $2 \frac{2}{3} =$  ..... (by regrouping)  
( $1 \frac{3}{5}$  or  $1 \frac{5}{3}$  or  $1 \frac{5}{4}$  or  $\frac{5}{4}$ )

- 5 The origin point is .....  
( (0 , 0) or (1 , 1) or (0 , 1) or (1 , 0) )

- 6  $2 \frac{1}{4}$  hours = ..... Minutes  
(75 or 125 or 135 or 245)

- 7 If  $1 \frac{3}{5} + A = 1 \frac{4}{5}$ , then  $A =$  .....  
( $\frac{3}{9}$  or  $\frac{7}{10}$  or  $\frac{1}{5}$  or  $\frac{4}{5}$ )

- 8 A quadrilateral has 4 equal side and angles are not right, is .....  
(rhombus or rectangle or square or trapezium)

- 9 The fraction  $2 \frac{1}{5}$  in improper form is .....  
( $\frac{11}{5}$  or  $\frac{20}{5}$  or  $\frac{11}{10}$  or  $\frac{16}{10}$ )

## Q2: Answer the following questions:

- 1 Find the value of the numerical expression by rewriting the fractions using a common denominator:  $\frac{11}{12} - \frac{2}{8} =$  .....

.....

- 2 Rewrite the mixed number in two different ways:  $5 \frac{1}{7}$ .

.....

- 3 Write a division problem that represents the following situation and find the result in its simplest form: Five cartons of notebooks are shared between two bookstores.

.....

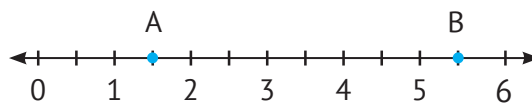
.....

- 4 The following shape is called .....

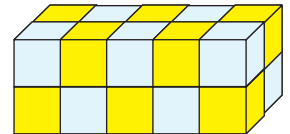


- 5 A triangle with side lengths of 7 cm, 7 cm, and 3 cm is called a ..... triangle (according to the lengths of its sides).

- 6 On the number line shown, the distance from point B to point A = ..... units.



- 7 Volume of the opposite cuboid = .....  $\text{cm}^3$

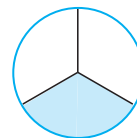


# Model

8

**Q1: Choose the correct answer:**

- 1 The circular degree represents the fraction of the circle that is shaded= ..... (90° or 120° or 60° or 180°)



- 2 The fraction  $\frac{12}{20}$  in simplest form is .....

( $\frac{3}{5}$  or  $\frac{5}{4}$  or  $\frac{3}{4}$  or  $\frac{4}{3}$ )

- 3 The rectangle is a polygon that has ..... right angle(s).

(1 or 2 or 3 or 4)

- 4 Any triangle has at least ..... acute angle(s).

(1 or 2 or 3 or 4)

- 5  $\frac{1}{4} \div 4 =$  .....

( $\frac{4}{4}$  or  $\frac{5}{4}$  or  $\frac{1}{16}$  or 16)

- 6 The x-coordinate of the point (6, 4) is .....

(12 or 5 or 6 or 9)

- 7  $\frac{3}{5} \times$  ..... = 1

( $\frac{5}{3}$  or  $\frac{5}{8}$  or  $\frac{8}{5}$  or  $\frac{3}{5}$ )

- 8 The simplest form of  $\frac{36}{48}$  is .....

( $\frac{1}{2}$  or  $\frac{3}{4}$  or  $\frac{4}{8}$  or 1)

- 9  $1 \frac{1}{2}$  years= ..... months.

(10 or 11 or 13 or 18)

**Q2: Answer the following questions:**

- 1  $\frac{1}{3} + \frac{3}{5} =$

.....

.....

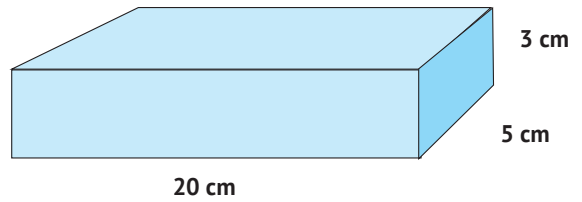
- 2  $9 \frac{6}{10} - c = 4 \frac{9}{20}$  then  $c =$  .....

- 3 A quadrilateral with only one pair of parallel sides is called .....

- 4 Simplify the result if possible:  $\frac{3}{5} \times \frac{2}{9} =$  .....



- 5 Volume of the opposite  
cuboid= .....



- 6 Find:  $3 - 2\frac{1}{7} = \dots\dots\dots$ .

- 7 In a field,  $\frac{4}{9}$  of the chamomile crop is used to make soap. The remaining part is used for making perfumes. Find the fraction of the crop used for making perfumes.

.....

.....

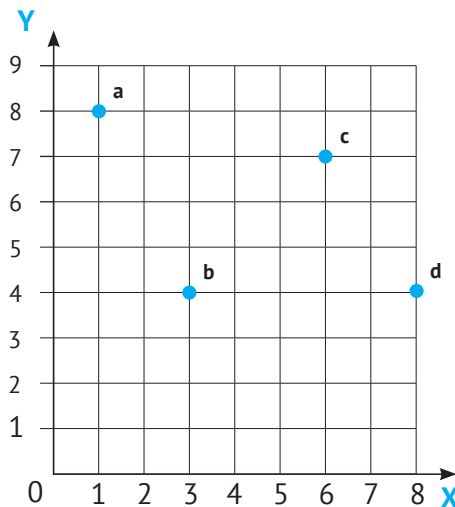
# Model

9

Q1: Choose the correct answer:

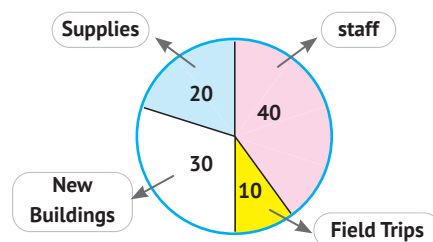
- 1 The point representing the ordered pair (8, 4) is point .....

(a or b or c or d)



- 2 The number of citizens surveyed is .....

(100 or 50 or 25 or 5)



- 3 The volume of the cuboid  $V = L \times W \times$  .....

(h or L or W or V)

- 4 The ..... has 4 right angles.

(trapezium or parallelogram or square or rhombus)

- 5  $\frac{1}{9} \div 2 =$  .....

( $\frac{1}{2}$  or  $\frac{1}{18}$  or 18 or 2)

- 6  $\frac{2}{3} \times 1 \frac{1}{2} =$  .....

( $\frac{1}{3}$  or 1 or 6 or 2)

- 7 The number of acute angles in the obtuse-angle triangle is .....

(zero or 1 or 2 or 3)

- 8 The LCM of denominator of  $\frac{1}{9}, \frac{5}{6} =$  .....

(3 or 4 or 18 or 12)

- 9 The area of a rectangle whose dimensions are  $\frac{3}{4}$  m,  $\frac{4}{5}$  m

$=$  .....  $\text{m}^2$ .

( $\frac{3}{4}$  or  $\frac{1}{4}$  or  $\frac{1}{5}$  or  $\frac{3}{5}$ )

## Q2: Answer the following questions:

1 Find the difference:  $6 \frac{1}{3} - 3 \frac{4}{5} =$

.....

.....

2 Find the unknown value in the simplest form:  $m - 2 \frac{5}{8} = 7 \frac{3}{8}$

.....

.....

3 On Thursday, Sara walked  $\frac{5}{8}$  kilometers. How much distance is left for her to walk a total of 1 kilometer?

.....

.....

4 Draw a rectangle with dimensions of 3 units by 2 units, then calculate its area.

.....

.....

.....

.....

5 Wael collected  $4 \frac{1}{4}$  kg of dates and gave  $2 \frac{3}{5}$  kg to his friend. How many kilograms does he have left?

.....

.....

6 An angle measuring  $80^\circ$  is called ..... angle.

7 Find:  $\frac{1}{6} + \frac{5}{8} =$  .....

# Model

10

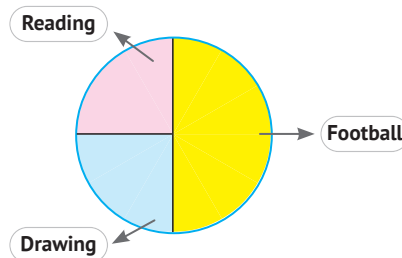
**Q1: Choose the correct answer:**

1 ..... triangle has 3 different sides.

(Scalene or Isosceles or Equilateral or Otherwise)

2 The fraction which represents the sector of the football is .....

( $\frac{1}{4}$  or  $\frac{1}{2}$  or  $\frac{2}{9}$  or  $\frac{1}{5}$ )



3 The angle with a measure of  $120^\circ$ , its type is ..... angle.

(right or obtuse or acute or straight)

4 The fraction  $3\frac{2}{5} =$  ..... (As an improper fraction.)

( $\frac{21}{5}$  or  $\frac{11}{5}$  or  $\frac{14}{10}$  or  $\frac{17}{5}$ )

5  $3 \times \frac{2}{5} =$  .....

( $1\frac{1}{2}$  or  $1$  or  $\frac{6}{15}$  or  $1\frac{1}{5}$ )

6 x-axis in the ordered pair (10 , 7) is .....

(3 or 7 or 10 or 4)

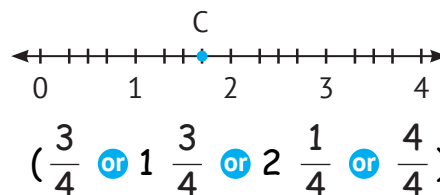
7  $4 \div \frac{1}{2} = 4 \times$  .....

(1 or 2 or 3 or 4)

8 + ..... = .....

(1 or  $\frac{7}{8}$  or  $\frac{9}{8}$  or  $1\frac{1}{2}$ )

9 By using the following number line, the value of point C is .....



**Q2: Answer the following questions:**

1  $9\frac{3}{4} - 8\frac{3}{5} =$  .....

2  $1 \frac{1}{8} + 3 \frac{3}{8} = \dots\dots\dots$

3  $g - 1 \frac{3}{4} = 7 \frac{3}{12}$  then  $g = \dots\dots\dots$

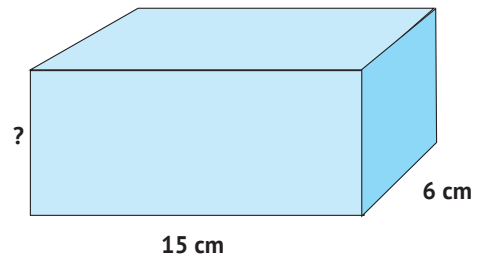
4 Youssef bought  $5 \frac{1}{3}$  kg of mangoes and  $3 \frac{1}{4}$  kg of apples. What is the total weight of the fruits he bought?

.....

.....

5 A triangle with two acute angles and one angle measuring  $90^\circ$  is called a ..... triangle. (According to the measures of its angles.)

6 If the volume of the adjacent rectangular prism is  $630 \text{ m}^3$ , find the unknown dimension: .....



7 Find three equivalent fractions for  $\frac{2}{7}$ ?

.....

.....



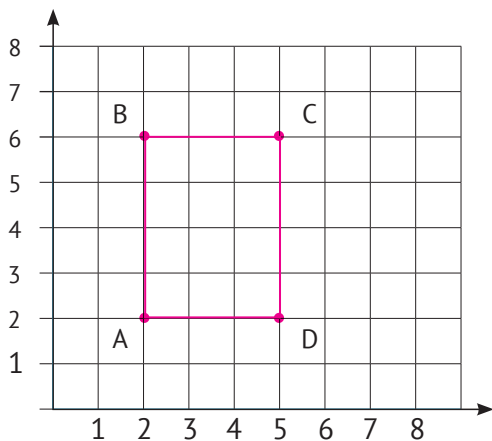
## Model 1

### First

- 1 30
- 2 3
- 3 L
- 4  $2\frac{1}{12}$
- 5 90
- 6 (0, 0)
- 7  $90^\circ$
- 8 >
- 9 5cm, 5cm, 7cm

### Second

- 1  $2\frac{1}{7}$
- 2 The time =  $2\frac{1}{3} + 1\frac{2}{3} = 3\frac{3}{3} = 4$  hours.
- 3 Area =  $L \times W = \frac{1}{7} \times \frac{1}{5} = \frac{1}{35} \text{ cm}^2$ .
- 4



- 5  $30 \times 10 \times 60 = 18,000 \text{ cm}^3$ .
- 6 The price =  $1\frac{1}{2} \times 8 = 12 \text{ LE}$ .
- 7

First 1 <sup>st</sup>	second 2 <sup>nd</sup>	Third 3 <sup>rd</sup>
$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{4}$

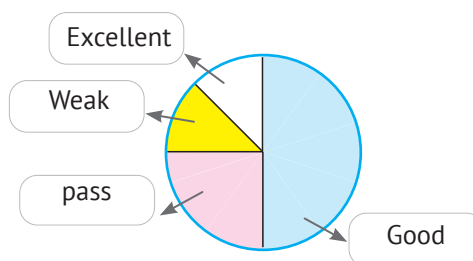
## Model 2

### First

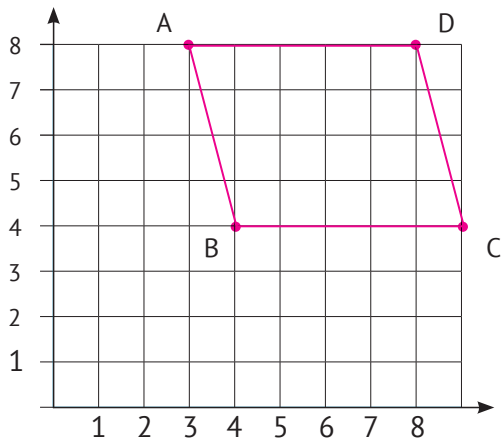
- 1  $\frac{16}{3}$
- 2  $\frac{5}{3}$
- 3 (4, 0)
- 4 3
- 5 15
- 6 10
- 7 Acute
- 8 Height.
- 9 Scalene.

### Second

- 1 The number of pieces =  $6 \div \frac{1}{4} = 6 \times 4 = 24$  pieces.
- 2



- 3  $5\frac{2}{14} + 3\frac{7}{14} = 8\frac{9}{14}$
- 4  $\frac{21}{2} \div \frac{7}{2} = \frac{21}{2} \times \frac{2}{7} = 3$
- 5 The remaining of flour =  $\frac{11}{15} - \frac{3}{5} = \frac{11}{15} - \frac{9}{15} = \frac{2}{15} \text{ kg}$
- 6 The price of books =  $10\frac{1}{2} \times 8 = \frac{21}{2} \times 8 = 84 \text{ L.E}$
- 7 Parallelogram.



**Model 3**

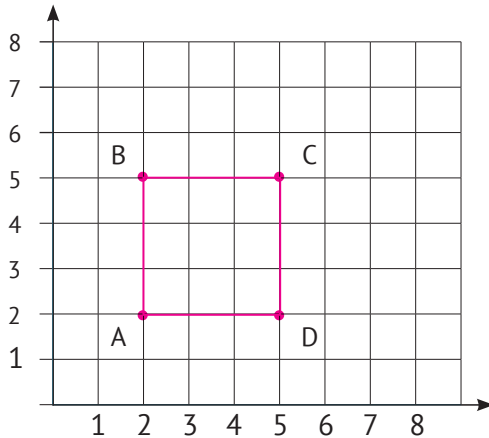
## First

- 1 36
- 2 5
- 3 2
- 4  $\frac{6}{7}$
- 5 trapezium
- 6 a right
- 7  $\frac{3}{17}$
- 8 24
- 9 2

## Second

1 The height = Volume  $\div$  area of base =  $160 \div 20$  = 8cm.

2 Square.



3 The time =  $2 \frac{1}{3} + 1 \frac{1}{4} = 2 \frac{4}{12} + 1 \frac{3}{12}$  =  $3 \frac{7}{12}$  hours.

4 Area =  $5 \frac{1}{3} \times 2 \frac{1}{4} = \frac{16}{3} \times \frac{9}{4} = 12 \text{ m}^2$ .

5  $n = \frac{1}{9} \div 2 = \frac{1}{9} \times \frac{1}{2} = \frac{1}{18}$

6 The number of kg =  $2 \frac{1}{3} + 3 \frac{1}{4} = 2 \frac{4}{12} + 3 \frac{3}{12} = 5 \frac{7}{12} \text{ kg}$

7  $1 \frac{1}{2} \times 1 \frac{1}{4} = \frac{3}{2} \times \frac{5}{4} = \frac{15}{8} = 1 \frac{7}{8} \text{ m}$

**Model 4**

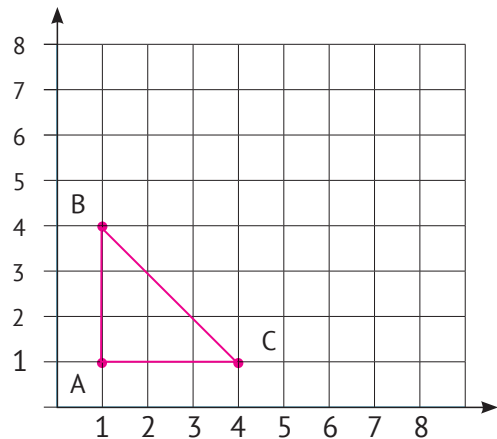
## First

- 1  $\frac{3}{4}$
- 2  $\frac{1}{10}$
- 3  $\frac{2}{7}$
- 4 24
- 5 An isosceles
- 6  $4 \frac{4}{5}$
- 7 6
- 8 x
- 9 Sphere

## Second

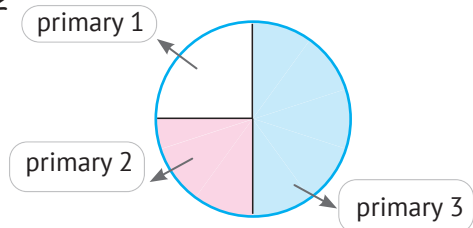
1 The total =  $\frac{1}{3} + \frac{2}{5} = \frac{5}{15} + \frac{6}{15} = \frac{11}{15}$  of pie

2 A triangle, right triangle, BAC.



3  $A = L \times W = \frac{1}{6} \times 3 = \frac{1}{2} \text{ m}^2$ .

4  $\frac{1}{2}$



5 The price of books =  $10 \frac{1}{2} \times 6 = \frac{21}{2} \times 6$

= 63 pounds.

6 The height =  $4,000 \div 800 = 5\text{cm}$ .

7 30 minutes =  $\frac{1}{2}$  hours

Sief studied =  $1\frac{1}{2} + \frac{1}{2} = 2$  hours.

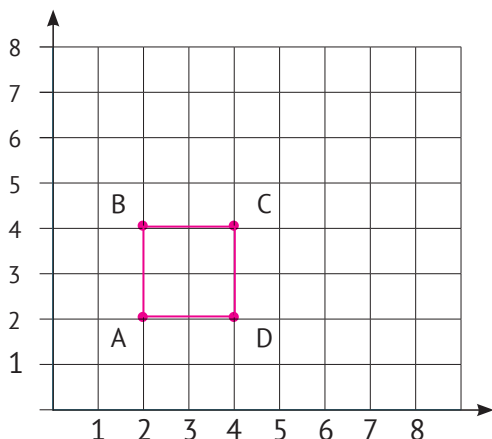
**Model 5**

**First**

- |                  |                  |                |
|------------------|------------------|----------------|
| 1 $\frac{3}{20}$ | 2 $\frac{1}{12}$ | 3 $L \times W$ |
| 4 1              | 5 1              | 6 cylinder     |
| 7 right          | 8 scalene        | 9 60           |

**Second**

- 1 (A) 3      (B) 3
- 2 (A)



(B) 2 unit length.

3 The total weight =  $2\frac{3}{8} + 3\frac{1}{4} = 2\frac{3}{8} + 3\frac{2}{8}$   
 $= 5\frac{5}{8}$  kg

4  $V = L \times W \times H = 10 \times 4 \times 5 = 200 \text{ cm}^3$ .

5 90 minutes =  $1\frac{1}{2}$  hours

Marwan studied =  $2\frac{1}{2} + 1\frac{1}{2} = 3\frac{2}{2}$   
 $= 4$  hours

6  $\frac{3}{5} \times \frac{2}{3} = \frac{2}{5}$

7 Volume of the first box,

$$V = 8 \times 6 \times 3 = 144 \text{ cm}^3$$

Height of the second box

$$H = 144 \div 16 = 9 \text{ cm}$$

**Model 6**

**First**

- |                  |                 |           |
|------------------|-----------------|-----------|
| 1 $\frac{3}{20}$ | 2 right         | 3 20      |
| 4                | 5 20            | 6 36      |
| 7 $180^\circ$    | 8 $\frac{2}{3}$ | 9 rhombus |

**Second**

1  $= \frac{4}{14} = \frac{10}{35} = \frac{6}{21}$

2  $6\frac{17}{12} = 7\frac{5}{12}$

3  $6 \times 3 = 18$

4

5 (3, 4)

6  $30 \times 8 \times 6 = 1440 \text{ cm}^3$

7 football

**Model 7**

**First**

- |                  |           |                  |
|------------------|-----------|------------------|
| 1 $120^\circ$    | 2 15      | 3 >              |
| 4 $1\frac{5}{3}$ | 5 (0, 0)  | 6 135            |
| 7 $\frac{1}{5}$  | 8 rhombus | 9 $\frac{11}{5}$ |

**Second**

1  $\frac{22}{24} - \frac{6}{24} = \frac{16}{24} = \frac{2}{3}$

2  $4\frac{8}{7} = 3\frac{15}{7}$

3  $5 \div 2 = 5 \times \frac{1}{2} = \frac{5}{2} = 2 \frac{1}{2}$

4 Ray      5 Isoscales

6 4      7  $5 \times 2 \times 2 = 20 \text{ cm}^3$

## Model 8

### First

1  $120^\circ$       2  $\frac{3}{5}$       3 4

4 2      5  $\frac{1}{16}$       6

7  $\frac{5}{3}$       8  $\frac{3}{4}$       9 18

### Second

1  $\frac{5}{15} + \frac{9}{15} = \frac{24}{15} = 1 \frac{9}{15}$

2  $9 \frac{6}{10} - 4 \frac{9}{20} = 5 \frac{3}{20}$

3 Trapezium      4  $\frac{2}{15}$

5  $20 \times 5 \times 3 = \text{cm}^3$

6  $2 \frac{7}{7} - 2 \frac{1}{7} = \frac{6}{7}$

7  $1 - \frac{4}{9} = \frac{5}{9}$  for perfunes

## Model 9

### First

1 d      2 100      3 h

4 square      5  $\frac{1}{18}$       6 1

7 2      8 18      9  $\frac{3}{5}$

### Second

1  $6 \frac{1}{3} - 3 \frac{4}{5} = 6 \frac{5}{15} - 3 \frac{12}{15} = 5 \frac{12}{15} - 3 \frac{12}{15}$   
 $= 2 \frac{8}{15}$

2  $m = 7 \frac{3}{8} + 2 \frac{5}{8} = 9 \frac{8}{8} = 10$

3  $1 - \frac{5}{8} = \frac{3}{8} \text{ km}$

4 Area =  $3 \times 2 = 6 \text{ sq. unit}$

5  $4 \frac{1}{4} - 2 \frac{3}{5} = 4 \frac{5}{20} - 2 \frac{12}{20} = 3 \frac{25}{20} - 2 \frac{12}{20}$   
 $= 1 \frac{13}{20}$

6 acute

7  $\frac{4}{24} + \frac{15}{24} = \frac{19}{24}$

## Model 10

### First

1 Scalene      2  $\frac{1}{2}$       3 obtuse

4  $\frac{17}{5}$       5  $1 \frac{1}{5}$       6 10

7 2      8  $1 \frac{1}{2}$       9

### Second

1  $9 \frac{15}{20} - 8 \frac{12}{20} = 1 \frac{3}{20}$

2  $4 \frac{4}{8} = 4 \frac{1}{2}$

3  $7 \frac{3}{12} + 1 \frac{3}{4} = 8 \frac{12}{12} = 9$

4  $5 \frac{1}{3} + 3 \frac{1}{4} = 8 \frac{7}{12} \text{ kg}$

5 right

6 area of base =  $15 \times 6 = 90 \text{ m}^2$

height =  $\frac{360}{90} = 4 \text{ m}$

7  $\frac{2}{7} = \frac{4}{14} = \frac{6}{21} = \frac{10}{35}$

حمل الآن

مجاناً وحصرياً

# امتحانات رقم (4)

## الترم الثاني





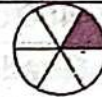
**Print 5 - Model No****1****[Q1] [A] Choose the correct answer:**

(1)  $\frac{1}{2} \dots\dots\dots \frac{1}{2} \times \frac{3}{4}$

- a)
- $>$
- b)
- $<$
- c)
- $=$
- d) otherwise

(2) The circular degrees that match

the fraction of the circle that is shaded= .....°



- a) 50                      b) 60                      c) 120                      d) 360

(3) the triangle whose sides are 6 cm. , 7 cm., 6 cm. is called.....

- a) Equilateral                      b) Isosceles                      c) Scalene                      d) otherwise

**[B] Soad has  $\frac{3}{4}$  liter of juice, she drank  $\frac{2}{6}$  liter of it. How many liters are left from the juice?**

.....

.....

.....

**[Q2] [A] Choose the correct answer:**

(1) If  $\frac{1}{3} \div A = \frac{1}{9}$  , then A = .....

- a) 3                      b)
- $\frac{1}{27}$
- c)
- $\frac{1}{3}$
- d) 27

(2) The cuboid is .....dimension shape

- a) One                      b) Two                      c) three                      d) four

(3)  $1\frac{1}{3}$  hour = ..... Minutes

- a) 80                      b) 70                      c) 60                      d) 90

**[B] If  $D - 2\frac{4}{9} = 4\frac{1}{3}$  , then find the value of D ?**

.....

[Q3] [A] Choose the correct answer:

(1)  $\frac{3}{5} \times \frac{10}{12} = \dots\dots\dots$  in the simplest form

a)  $\frac{6}{10}$

b)  $\frac{1}{4}$

c)  $\frac{2}{3}$

d)  $\frac{1}{2}$

(2) The volume of cuboid whose dimensions 10 cm., 8 cm, 5 cm. is

a) 400 cm

b) 400 cm<sup>2</sup>

c) 40 cm<sup>3</sup>

d) 23 cm<sup>3</sup>

(3) Quadrilateral each two opposite sides are parallel and all angles are right is called .....

a) Rhombus

b) Trapezoid

c) Parallelogram

d) square

[B] A room in the form of a cuboid, the area of one of the faces is 30 m<sup>2</sup> and the third dimension is 3 m, so find the volume of the room.

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[Q4]

[A] Find the result of :  $2\frac{1}{4} + 1\frac{1}{6}$

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[B] If  $\frac{1}{3} \times b = \frac{1}{24}$ , then find the value of b ?

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[Q5]

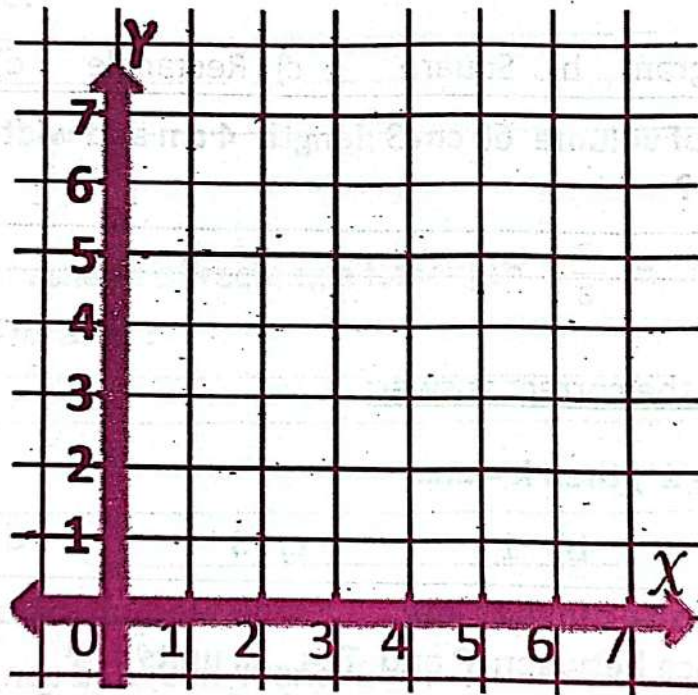
[A] A rectangular carpet 4 m long and  $2\frac{1}{2}$  m wide find its area.

.....

.....

.....

[B] Locate the following points on the coordinate plane and connect the points in order A ( 4, 9 ), B ( 2 , 9 ), C ( 2 , 4 ), D ( 4 , 4 ) What is the name of the resulting geometric figure? .



◆ ◆ ◆  
*End of the questions*

**Prim 5 - Model No****2****[Q1] [A] Choose the correct answer:****(1) The degree measure the angle representing  $\frac{1}{3}$  circle = .....°**

- a) 90                      b) 120                      c) 240                      d) 30

**(2)  $3 \div \frac{1}{2} = \dots\dots$** 

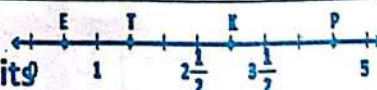
- a) 6                      b) 2                      c)  $\frac{1}{3}$                       d)  $\frac{1}{6}$

**(3) A quadrilateral that has two acute angles and two obtuse angles is ....**

- a) Parallelogram      b) Square                      c) Rectangle                      d) triangle

**[B] A cuboid of volume 60 cm<sup>3</sup>, length 4 cm and width of 3 cm find its Height ?****[Q2] [A] Choose the correct answer:****(1) If  $\frac{1}{3} \times k = 1$ , then k = .....**

- a) 6                      b) 1                      c) 3                      d)  $\frac{1}{3}$

**(2) From opposite number line:****The distance between P and T = ..... unit**

- a) 2                      b) 3                      c) 4                      d) 5

**(3) A triangle whose side lengths are 6 cm, 7 cm, 6 cm is called .....**

- a) Equilateral      b) Isosceles                      c) Scalene                      d) otherwise

**[B] A car consumes  $5\frac{1}{4}$  liters of gasoline per hour. How much does it consume in an hour and a third?**



[Q3] [A] Choose the correct answer:

(1)  $\frac{1}{6} \div 2 = \dots\dots\dots$

a) 3

b) 12

c)  $\frac{1}{3}$

d)  $\frac{1}{12}$

(2) The rhombus has ..... axes of symmetry

a) 1

b) 4

c) 3

d) 2

(3) The volume of the opposite figure

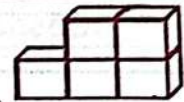
= ..... cubic units

a) 4

b) 5

c) 6

d) 7



[B] A box made of wood, its dimensions are 20 cm, 15 cm, 10 cm. Find its volume?

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[Q4]

[A] A window in shape of rectangle its length  $1\frac{3}{5}$  m and width  $\frac{1}{3}$  m, then find its area ?

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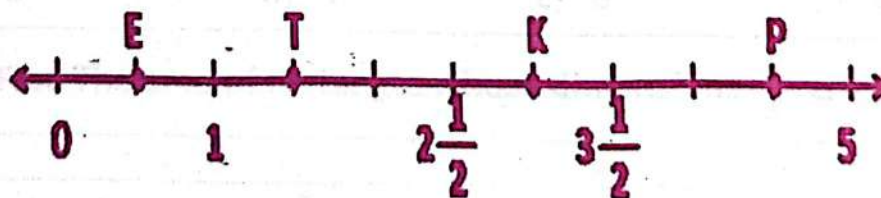
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[B] From opposite number line:

The distance between K and E = ..... units





[Q5]

[A] The garden of a house is  $9\frac{1}{2}$  m long and 6 m wide. Find the perimeter of the garden.

[B] If  $Z - 2\frac{4}{9} = 4\frac{1}{3}$ , find the value of Z?

◆◆◆  
*End of the questions*

**Prim 5 - Model No****3****[Q1] [A] Choose the correct answer:**

(1) Each ordered pair represents a ..... On coordinate plane.

- a) Line                      b) Point                      c) Segment                      d) shape

(2) A cuboid has ..... vertices

- a) 6                      b) 8                      c) 12                      d) 4

(3) The smallest like denominator for two fractions  $\frac{2}{5}$ ,  $\frac{3}{7}$  is .....

- a) 10                      b) 12                      c) 14                      d) 35

[B] If  $1\frac{3}{11} + Y = 4\frac{6}{11}$ , then find the value of Y ?

**[Q2] [A] Choose the correct answer:**

(1) The angle of measure less than  $90^\circ$  is ..... angle

- a) Acute                      b) Right                      c) Obtuse                      d) scalene

(2) The ordered pair represents the origin point is .....

- a) (0, 1)                      b) (1, 0)                      c) (0, 0)                      d) (1, 1)

(3)  $4 \div \frac{1}{2} = \dots\dots\dots$

- a) 6                      b) 2                      c) 8                      d)  $4\frac{1}{2}$

[B] Find The area of rectangle whose dimensions  $\frac{1}{3}$  cm,  $\frac{1}{4}$  cm ?



[Q3] [A] Choose the correct answer:

(1) If  $6 \times 3 \frac{1}{2} = 3 \times b$  then  $b = \dots\dots$

a) 3

b) 6

c) 7

d)  $\frac{1}{2}$

(2) In  $\triangle ABC$ ,  $m(\angle A) = 50^\circ$ ,  $m(\angle B) = 60^\circ$  and  $m(\angle C) = 70^\circ$ , then the triangle is .....angled triangle

a) acute

b) right

c) obtuse

d) Otherwise

(3) The fraction which represents the shaded part is .....



a)  $\frac{3}{8}$

b)  $\frac{3}{7}$

c)  $\frac{4}{7}$

d)  $\frac{7}{3}$

[B] Rihana spends  $1 \frac{1}{10}$  hour studying science, and 20 minutes more studying a subject Mathematics for the subject of science. How long does Rihana take to study the two subjects together?

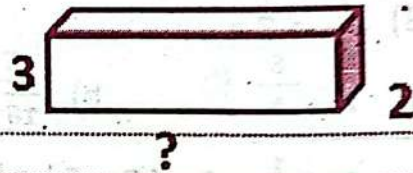
[Q4]

[A] Find :  $\frac{4}{5} \times \frac{5}{32}$  ? ( in simplest form )

- [B] The turtle can crawl about  $\frac{1}{3}$  kilometer per hour. How many hours do you need To travel a distance of 5 kilometers?

[Q5]

- [A] Find the unknown dimension in the corresponding figure:  
If you know that volume =  $36 \text{ m}^3$



- [B] In the equation:  $D + 4\frac{1}{9} = 15\frac{14}{18}$ , Find the value of D ?

◆◆◆  
*End of the questions*



## Prim 5 - Model No

4

[Q1] [A] Choose the correct answer:

(1) The triangle whose measure of its greatest angle = 120 is called

.....

- a) Right                      b) Acute                      c) obtuse                      d) Otherwise

(2) 150 minutes = ..... hours and ..... minutes

- a) 1 , 30                      b) 1 , 50                      c) 3 , 30                      d) 2 , 50

(3)  $\frac{1}{6} \div 3 = \dots\dots\dots$ 

- a) 2                      b)  $\frac{1}{18}$                       c) 18                      d)  $\frac{1}{2}$

[B] If :  $2\frac{1}{2} \times 5 = (2 \times 5) + (m \times 5)$ , find the value of m ?

[Q2] [A] Choose the correct answer:

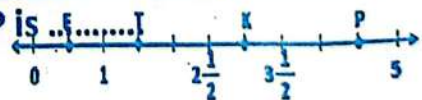
(1) The quadrilateral which has no axes of symmetry is .....

- a) Rhombus                      b) Square                      c) Rectangle                      d) Parallelogram

(2)  $\frac{4}{10} + \frac{9}{20} = \dots\dots\dots$ 

- a) 1.7                      b)  $\frac{13}{30}$                       c)  $\frac{17}{20}$                       d)  $\frac{17}{30}$

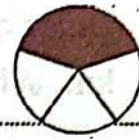
(3) The distance between point E and point P is .....



- a) 2                      b) 3                      c) 4                      d) 5

[B] Find The circular degrees that match

The fraction of the circle that is shaded= .....



[Q3] [A] Choose the correct answer:

(1)  $5 \times \frac{3}{7}$  .....  $4 \times \frac{3}{7}$

a) <                      b) >                      c) =                      d) otherwise

(2)  $\frac{4}{7} \times$  ..... =  $\frac{3}{7}$

a)  $\frac{4}{3}$                       b)  $\frac{3}{7}$                       c)  $\frac{7}{7}$                       d)  $\frac{3}{4}$

(3) The X- coordinate of ( 2 , 5 ) is .....

a) 2                      b) 5                      c) 10                      d) 7

[B] A cuboid whose volume is  $24 \text{ cm}^3$ , if it is decomposed into slides and the number of cubes in each slide is 4 cubes, then find the number of slides ?

[Q4]

[A] In the equation:  $h + 4 \frac{1}{9} = 15$  , then find value of h ?

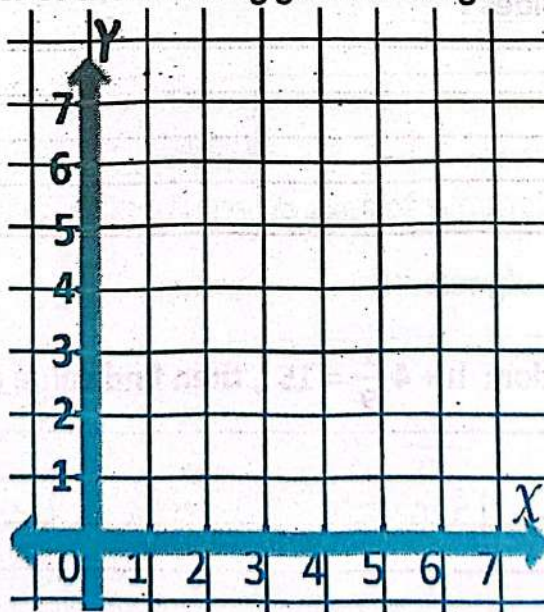


- [B] Omar owns a car park. The parking length is 5 km and width  $1\frac{1}{2}$  km. What is the area of the parking?
- .....
- .....
- .....

[Q5]

- [A] Mona bought 10 notebooks, the price of one notebook is  $2\frac{4}{5}$  pounds. What is the total amount that Mona paid?.....
- .....
- .....
- .....

- [B] Locate the following points on the coordinate plane and connect the points in order A (3, 2), B (8, 2), C (8, 6), D (3, 6) What is the perimeter of the resulting geometric figure?



◆◆◆  
*End of the questions*

SECOND SEMESTER

12

27/04/2025 15:21

## Prim 5 - Model No

5

[Q1] [A] Choose the correct answer:

(1) The volume of the opposite figure = .....



a) 10

b) 12

c) 14

d) 16

(2)  $4 \times \frac{1}{3} = \dots\dots\dots$ 

a) 4

b) 12

c)  $1\frac{1}{3}$ d)  $\frac{4}{12}$ 

(3) The polygon formed from three sides is called .....

a) Parallelogram

b) Square

c) Rectangle

d) Triangle

[B] If  $9 - M = 5\frac{3}{10}$ , then find the value of M ?

[Q2] [A] Choose the correct answer:

(1) The smallest like denominator for  $\frac{2}{5}, \frac{1}{2}$  is .....

a) 5

b) 2

c) 10

d) 7

(2) The rectangle has ..... Axes of symmetry

a) 1

b) 2

c) 3

d) 4

(3) The circular degrees that match

the fraction of the circle that is shaded = .....°

a) 30

b) 45

c) 60

d) 90

[B] Find the result of :  $2\frac{2}{7} + 4\frac{5}{7}$  ?



[Q3] [A] Choose the correct answer:

(1) The division problem that expresses the following situation: (5 oranges shared by 7 students) is ....

- a)  $2 \div 5$       b)  $5 \div 2$       c)  $5 \div 7$       d)  $7 \div 5$

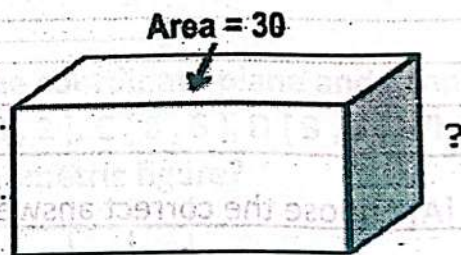
(2) The obtuse triangle has ..... acute angle

- a) 0      b) 1      c) 2      d) 3

(3)  $\frac{11}{12} \times \frac{11}{12}$  .....  $\frac{11}{12}$

- a)  $<$       b)  $>$       c)  $=$       d) otherwise

[B] If the volume =  $240 \text{ cm}^3$   
Find the height of cuboid



[Q4]

[A] Find the result  $24 \div 5$  ( as mixed number )

[B] Mahmoud has  $\frac{3}{4}$  liter of juice, and he drank  $\frac{2}{6}$  liter of it. How many liters are left from the juice?

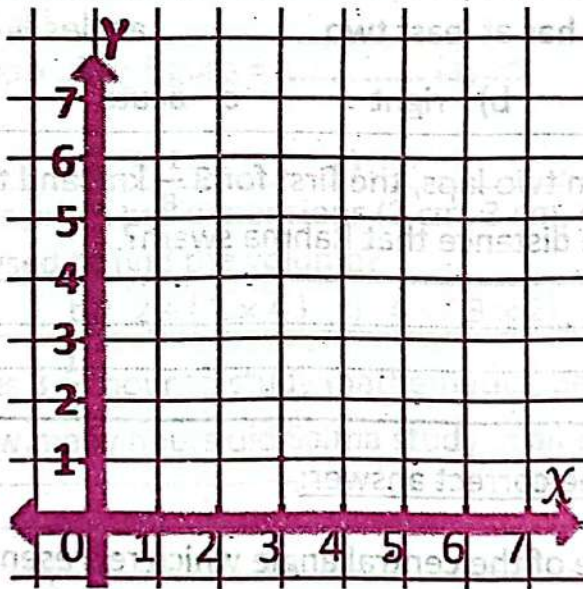
[Q5]

[A] A rectangular rug 6 m long and  $2\frac{1}{2}$  m wide found its area.

[B] Locate the following points on the coordinate plane

And connect the points A ( 3 , 2 ), B ( 8 , 2 ),

What is the distance between them?



◆ ◆ ◆  
*End of the questions*



**Prim 5 - Model No****6****[Q1] [A] Choose the correct answer:**(1) Smallest like denominator for  $4\frac{1}{8}$ ,  $3\frac{1}{4}$  is .....

- a) 16                      b) 4                      c) 8                      d) 32

(2)  $0.75 = \dots\dots\dots$ 

- a)  $\frac{1}{2}$                       b)  $\frac{1}{3}$                       c)  $\frac{1}{4}$                       d)  $\frac{3}{4}$

(3) Any triangle has at least two ..... angles

- a) obtuse                      b) right                      c) acute                      d) Otherwise

[B] Rahma swam two laps, the first for  $3\frac{1}{8}$  km, and the second for  $2\frac{3}{4}$  km. Find the distance that Rahma swam?

.....

.....

.....

**[Q2] [A] Choose the correct answer:**(1) The measure of the central angle which represents  $\frac{3}{4}$  of the circle  
= .....°

- a) 120                      b) 270                      c) 90                      d) 180

(2) A rectangular prism has 4 vertical layers and 5 cubes in each layer,  
then its volume = ..... cubes

- a) 9                      b) 10                      c) 20                      d) 18

(3)  $2\frac{1}{4} \times 4 = \dots\dots\dots$ 

- a) 2                      b) 9                      c) 8                      d)  $\frac{8}{4}$

- [B] The teacher wants to give  $\frac{1}{8}$  box of pencils to each student. The teacher has 5 boxes of pencils, find the number of students to whom the teacher will give pencils?
- .....
- .....
- .....

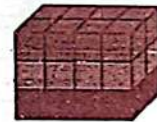
[Q3] [A] Choose the correct answer:

(1) If the point ( 3 , 5 ) moves up 4 units, the new position of the point

- a) ( 7 , 5 )      b) ( 3 , 9 )      c) ( 7 , 9 )      d) ( 3 , 9 )

(2) The horizontal layers

in the corresponding figure = ..... layers



- a) 2      b) 3      c) 4      d) 6

(3) A rectangular prism has dimensions (2 cm, 3 cm, 4 cm), which equation is used to find the volume?

- a)  $2 \times (3 \times 4)$       b)  $2 + (3 \times 4)$       c)  $4 + (3 \times 2)$       d)  $3 \times (2 \times 4)$

- [B] If Salma takes  $3\frac{1}{2}$  hour to study mathematics, and science for 45 minutes. How many hours did Salma study in all ?
- .....
- .....
- .....

[Q4]

- [A] A house has a window that is  $\frac{3}{8}$  meter wide and two meters long. Find The window area ?
- .....
- .....
- .....



[B] Find the result of :  $4 \frac{2}{3} - 3 \frac{1}{6}$  ?

[Q5]

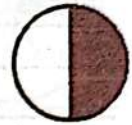
[A] If Volume of cuboid =  $48 \text{ cm}^3$  and its height =  $8 \text{ cm}$ , then find its base area ?

[B] Mahmoud has a colored circle with the following colors:  $\frac{1}{2}$  of the circle is red,  $\frac{1}{5}$  of the circle is blue, and the rest of the circle is yellow. Find the decimal fraction that represents the yellow color ?

◆ ◆ ◆  
*End of the questions*

**Prim 5 - Model No****7****[Q1] [A] Choose the correct answer:**

(1) The circular degrees that match the fraction of the circle that is shaded= .....°



- a) 90                      b) 180                      c) 120                      d) 360

(2)  $\frac{1}{5}$  of 15 = .....

- a)  $\frac{1}{3}$                       b) 3                      c) 20                      d)  $\frac{1}{6}$

(3) The opposite figure \_\_\_\_\_ is called

- a) Ray                      b) Line segment                      c) Straight line                      d) angle

**[B]** find the result of  $\frac{3}{7} + \frac{4}{14}$  ?

**[Q2] [A] Choose the correct answer:**

(1) If  $7 \div H = 28$ , then  $H =$  .....

- a) 4                      b)  $\frac{4}{7}$                       c)  $\frac{4}{28}$                       d)  $\frac{1}{4}$

(2) Smallest like denominator for  $\frac{1}{6}, \frac{4}{5}$  is .....

- a) 15                      b) 30                      c) 60                      d) 90

(3) Any triangle has at least two ..... angles

- a) right                      b) obtuse                      c) acute                      d) scalene



- [B] A juice box in the shape of a rectangular cuboid, 6 cm long, 5 cm wide, and 10 cm high. Find its volume ?

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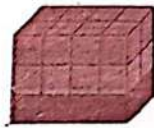
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[Q3] [A] Choose the correct answer:

- (1) The Vertical layers  
in the corresponding figure = ..... layers

a) 2                      b) 3                      c) 4                      d) 24



- (2) If  $2 \times \frac{m}{7} = \frac{6}{7}$ , then m = .....

a) 20                      b) 3                      c) 6                      d) 7

- (3) When plot the ordered pair ( 4 , 3 ) in the coordinate plane we  
move ..... Horizontal units on X-axis

a) 4                      b) 3                      c) 7                      d) 5

- [B] A car travels  $1 \frac{3}{5}$  km while going to school, so if it travels the same  
distance on the way back. How much distance do you travel back  
and forth?

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[Q4]

- [A] Maryam divided 5 hours equally into studying 4 subjects. How  
many hours do you study each subject?

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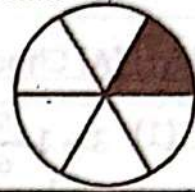
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[B] From the opposite figure :

① The fraction which represents the shaded part is .....

② The circular degrees that match

the fraction of the circle that is shaded is .....°



[Q5]

[A] In the equation:  $P - 2\frac{5}{6} = 5$ , find the value of P?

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[B] Find The volume of the opposite figure ?

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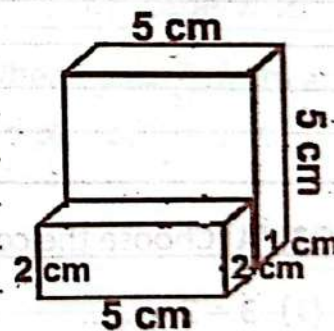
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◆◆◆  
*End of the questions*



**Prim 5 - Model No. 8****[Q1] [A] Choose the correct answer:**

(1)  $3 - 1\frac{5}{6} = \dots\dots\dots$

a)  $2\frac{1}{6}$

b)  $1\frac{1}{6}$

c)  $4\frac{5}{6}$

d)  $2\frac{5}{6}$

(2) The two ..... lines never intersecting

a) Parallel

b) Perpendicular

c) angle

d) intersecting

(3)  $7 \div \frac{1}{3} = 7 \times \dots\dots\dots$

a)  $\frac{1}{3}$

b) 21

c) 3

d) 49

**[B] Find the result of :  $5\frac{1}{3} + 2\frac{2}{3}$  ?**


---



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---



---

**[Q2] [A] Choose the correct answer:**

(1)  $3 \div 2 = \dots\dots\dots$

a)  $1\frac{1}{2}$

b) 6

c)  $\frac{2}{3}$

d) 5

(2) The circular degrees that match

the fraction of the circle that is shaded = .....°

a) 30

b) 45

c) 60

d) 90



(3) The angle of measure more than 90° is ..... angle

a) Acute

b) Obtuse

c) Right

d) Otherwise

[B] Ali has an herb garden that is 10 units long,  $\frac{1}{3}$  unit wide. What is its area?

[Q3] [A] Choose the correct answer:

(1) Volume of cuboid = .....  $\times$  width  $\times$  height

- a) Length      b) Area      c) Volume      d) double

(2)  $\frac{4}{7} \times \frac{7}{4}$  .....  $\frac{4}{7}$

- a)  $>$       b)  $=$       c)  $<$       d) Otherwise

(3) The triangle of sides 9 cm, 4 cm, 9cm is called ..... Triangle

- a) Isosceles      b) Equilateral      c) Scalene      d) Otherwise

[B] Doha owns a plot of land that cultivates  $\frac{3}{5}$  Wheat, and  $\frac{2}{10}$  from an area of land is rice. What is the total cultivated part of the plot area?

[Q4]

[A] Find the result of :  $3\frac{1}{2} - 1\frac{5}{6}$ ?

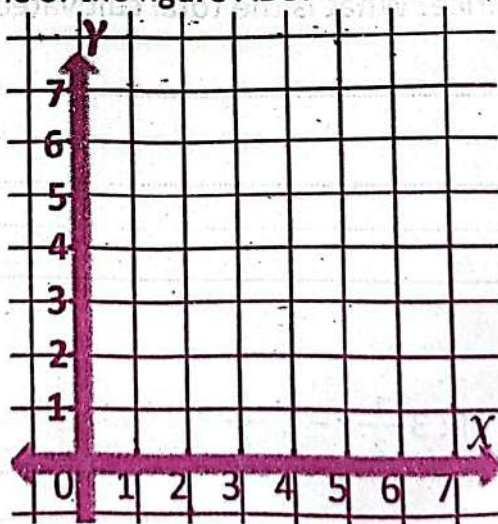


- [B] Soad uses  $1\frac{3}{4}$  kilogram of flour to make a large cake. What is the amount Need to make 6 cakes of the same size?

[Q5].

- [A] If  $\frac{1}{3}$  of the amount is equal to 30 pounds . What is the total amount ?

- [B] Graph the figure ABC where A (2,8) , B(3 ,4) ,C (8 ,4)  
What is the name of the figure ABC?



◆◆◆  
*End of the questions*

**Prim 5 - Model No****9****[Q1] [A] Choose the correct answer:**

(1) In the ordered pair ( 5 , 7 ) the X coordinate is .....

- a) 5                      b) 7                      c) 12                      d) 2

(2)  $1 + \frac{5}{8} + \frac{2}{3} = \dots\dots\dots$ 

- a)  $24\frac{2}{7}$                       b)  $7\frac{2}{24}$                       c)  $2\frac{7}{24}$                       d)  $1\frac{7}{24}$

(3) The cone has .....vertices

- a) 0                      b) 1                      c) 2                      d) 8

**[B] Ahmed walks around the perimeter of the garden 3 days a week, the perimeter of the garden is  $2\frac{1}{3}$  kilometers. What is the total distance that Ahmed walks every week?**

.....

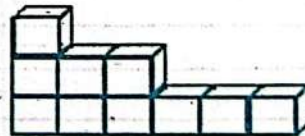
.....

.....

.....

**[Q2] [A] Choose the correct answer:**

(1) The volume of the opposite figure = .....



- a) 10                      b) 12                      c) 14                      d) 16

(2)  $\frac{1}{3} \div 5 = \dots\dots\dots$ 

- a) 15                      b)  $\frac{5}{3}$                       c)  $\frac{3}{5}$                       d)  $\frac{1}{15}$

(3) The isosceles triangle has ..... axes of symmetry

- a) 1                      b) 2                      c) 3                      d) 4



[B] Find the result of :  $5 \frac{2}{4} - 3 \frac{3}{4}$  ?

[Q3] [A] Choose the correct answer:

(1) The area of rectangle whose dimensions 3 cm ,  $3 \frac{1}{2}$  cm = .....cm<sup>2</sup>

- a) 12                      b) 11                      c)  $10 \frac{1}{2}$                       d)  $10 \frac{1}{4}$

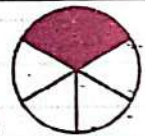
(2) From the describe of the opposite figure



- a) Has 4 equal sides                      c) Has only pair of parallel sides  
b) Each two opposite sides parallel                      d) Has 4 right angles

(3) The circular degrees that match the fraction of the circle that is shaded = .....°

- a) 30                      b) 60                      c) 90                      d) 120

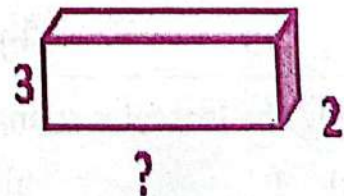


[B] Find the value of A in equation:  $A - 7 \frac{2}{9} = 4 \frac{1}{9}$  ?

[Q4]

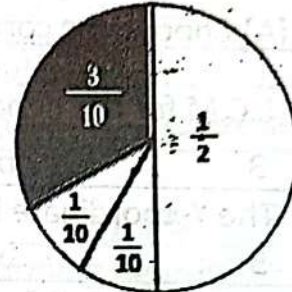
[A] Find the unknown dimension in the corresponding figure:

If you know that volume =  $72 \text{ m}^3$





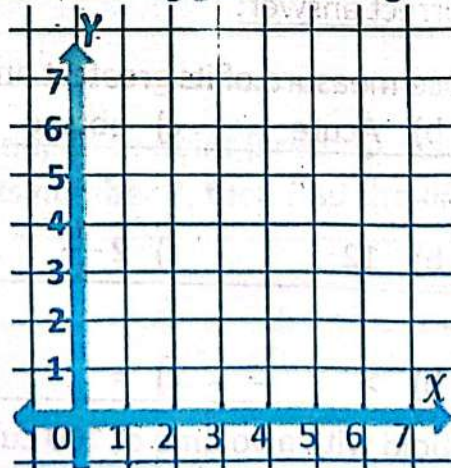
[B] Write The decimal form of the opposite shaded part?



[Q5]

[A] Ahmed has 11 liters of fruit juice and he wants to divide it equally among 5 of his friends, How many liters Which every friend get ?

[B] Locate the following points on the coordinate plane and connect the points in order A ( 4 , 7 ), B ( 4 , 10 ), C ( 7 , 10 ), D ( 7 , 7 ) What is the name of the resulting geometric figure?



◆ ◆ ◆  
End of the questions



## Prim 5 - Model No

10

[Q1] [A] Choose the correct answer:

(1) L.C.M for the denominators of two fractions  $\frac{1}{3}$ ,  $\frac{5}{9}$  is .....

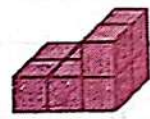
- a) 3                      b) 6                      c) 9                      d) 27

(2) The Y-coordinate in ordered pair (8, 5) is .....

- a) 5                      b) 8                      c) 3                      d) 13

(3) The volume of the opposite figure = .....

- a) 6                      b) 7                      c) 8                      d) 12



[B] If Sara takes an hour to study mathematics, and her brother takes 15 minutes less. Calculate how long does her brother take to study math?

---

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[Q2] [A] Choose the correct answer:

(1) The triangle whose measure of its greatest angle = 90 is called .....

- a) Right                      b) Acute                      c) obtuse                      d) Otherwise

(2)  $2 \times \frac{3}{6} = \dots\dots\dots$

- a) 1                      b) 12                      c)  $2\frac{3}{6}$                       d)  $\frac{3}{12}$

(3)  $4\frac{3}{7}$  .....  $7\frac{1}{6}$

- a) <                      b) >                      c) =                      d) otherwise

[B] A rectangular cuboid with a volume of 100 cubic centimeters, a length of 5 cm and a width of 4 cm. find its height ?

---

---

[Q3] [A] Choose the correct answer:

(1)  $\frac{1}{3} \div 5 = \dots\dots\dots$

a) 15

b)  $\frac{5}{3}$

c)  $\frac{3}{5}$

d)  $\frac{1}{15}$

(2) A figure that has two pairs of parallel sides and has right angles is

a) Parallelogram

b) Square

c) Rectangle

d) Trapezium

(3) The measure of right angle =  $\dots\dots\dots^\circ$

a) 60

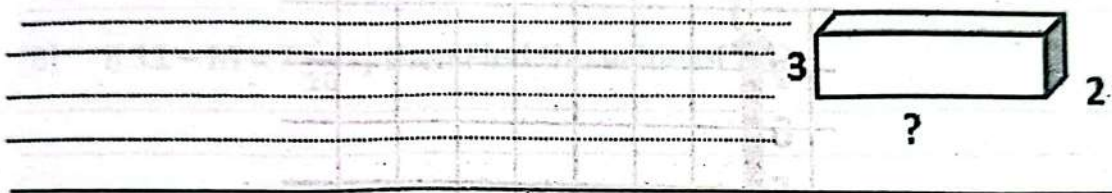
b) 90

c) 180

d) 360

[B] Find the unknown dimension in the corresponding figure:

If you know that volume =  $42 \text{ m}^3$



[Q4]

[A] Find the value of A in equation:  $A - 7\frac{1}{9} = 5\frac{2}{9}$  ?

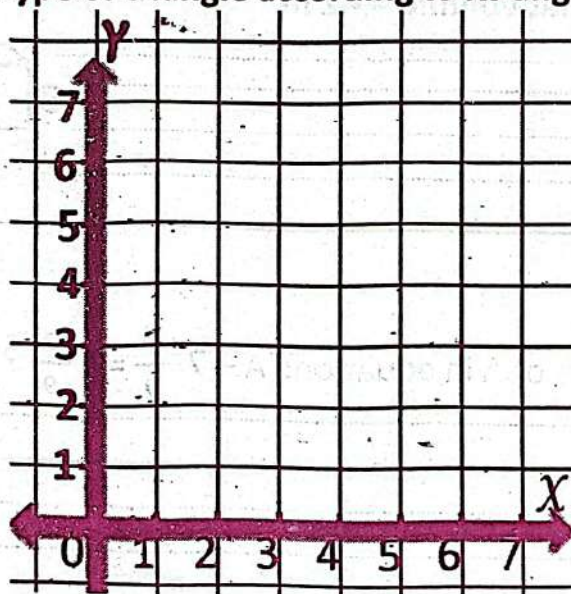
[B] On the number line, if the point B represents the number 5, and point C represents number 7, then find the distant between B, C ?



[Q5]

[A] A rectangular rug 4 m long and  $2\frac{1}{4}$  m wide find its area?

[B] Locate the following points on the coordinate plane and connect the points in order A ( 3 , 5 ), B ( 7 , 5 ), C ( 3 , 10 ), What is the type of triangle according to its angles?



◆ ◆ ◆  
End of the questions

**Prim 5 - Model No****11****[Q1] [A] Choose the correct answer:****(1) The cylinder has ..... bases**

- a) 1                      b) 2                      c) 3                      d) 0

**(2)  $\frac{2}{3}$  of 6 squares = ..... squares**

- a) 18                      b) 12                      c) 4                      d) 8

**(3) The triangle of sides 7 cm , 5 cm , 8 cm is called ..... triangle**

- a) Scalene                      b) isosceles                      c) equilateral                      d) otherwise

**[B] If  $11 - M = 7\frac{3}{10}$ , then Find the value of M ?****[Q2] [A] Choose the correct answer:****(1)  $\frac{11}{12} \times \frac{11}{12}$  .....  $\frac{11}{12}$** 

- a) >                      b) =                      c) <                      d) Otherwise

**(2) The smallest like denominator for  $\frac{2}{9}, \frac{1}{3}$  is .....**

- a) 3                      b) 9                      c) 18                      d) 27

**(3) The volume of the opposite figure = ..... Cubic**

- a) 2                      b) 3                      c) 4                      d) 7

**[B] Rania bought  $\frac{11}{15}$  kilogram of flour, and she used  $\frac{3}{5}$  kilogram of it. How many the remaining kilograms of flour?**



[Q3] [A] Choose the correct answer:

(1)  $5 \times \frac{1}{3} = \dots\dots\dots$

a) 15

b) 5

c)  $1\frac{2}{3}$

d)  $\frac{1}{15}$

(2) The polygon formed from three sides is called .....

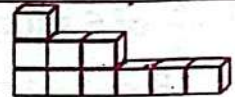
a) Parallelogram

b) Square

c) Rectangle

d) Triangle

(3) The volume of the opposite figure = .....



a) 10

b) 12

c) 14

d) 16

[B] Samar uses  $1\frac{3}{4}$  kilogram of flour to make a large cake. What is the amount Need to make 8 cakes of the same size?

[Q4]

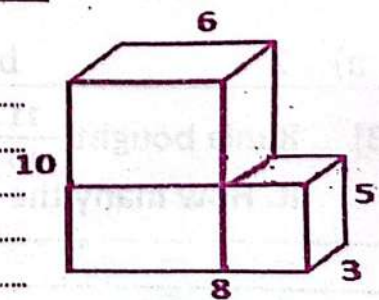
[A] In the opposite figure:

Write The circular degrees that match

the fraction of the circle that is shaded= .....°



[B] Find The volume of the opposite figure ?



SECOND SEMESTER

32

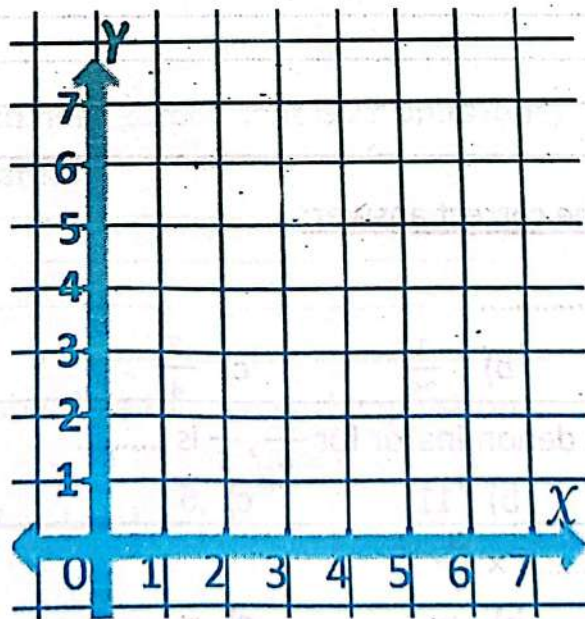
[Q5]

[A] Ahmed buy 3 kg of oranges and eat  $1\frac{3}{4}$  kg of them, How many kilograms are left ?

[B] Locate the following points on the coordinate plane and connect the points in order A ( 1, 3 ), B ( 3, 3 ), C ( 3, 5 ), D ( 1, 5 ) What is the name of the resulting geometric figure?

Complete:- ①  $\overline{AB} \parallel$  .....

②  $BC =$  .....



◆ ◆ ◆  
End of the questions



## Prim 5 - Model No

12

[Q1] [A] Choose the correct answer:

(1) The equivalent fraction to  $\frac{3}{7}$  is ...

a)  $\frac{9}{21}$

b)  $\frac{3}{21}$

c)  $\frac{17}{21}$

d)  $\frac{8}{21}$

(2) The parallelogram with four equal sides is called .....

a) Parallelogram

b) rhombus

c) Rectangle

d) Triangle

(3) The circular degrees that match

the fraction of the circle that is shaded= .....°

a) 90

b) 180

c) 270

d) 360



[B] Heba reads from her favorite book  $\frac{2}{3}$  hour daily, and if she reads the book within 12 days. How many hours did she read the book?

.....

.....

.....

.....

[Q2] [A] Choose the correct answer:

(1)  $\frac{1}{4} \div 7 = \dots\dots\dots$ 

a) 28

b)  $\frac{1}{28}$

c)  $\frac{7}{4}$

d)  $\frac{4}{7}$

(2) Smallest like denominator for  $\frac{1}{6}, \frac{4}{5}$  is .....

a) 5

b) 11

c) 6

d) 30

(3)  $5 \times \frac{3}{7} \dots\dots\dots 4 \times \frac{3}{7}$ 

a) &lt;

b) &gt;

c) =

d) otherwise

[B] If  $6 + \frac{x}{7} = 7 \frac{6}{7}$ , then find the value of x?

.....

.....

[Q3] [A] Choose the correct answer:

(1)  $3 \times \frac{2}{5} = \dots\dots\dots$

a)  $\frac{4}{5}$

b)  $\frac{3}{5}$

c) 1

d)  $1 \frac{1}{5}$

(2) The rhombus has ..... axes of symmetry

a) 0

b) 1

c) 2

d) 4

(3)

a) -

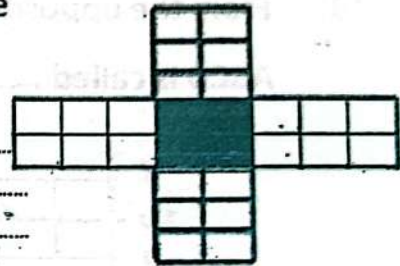
b) -

c) -

d) -

[B] Find The volume of the corresponding figure when folded ?

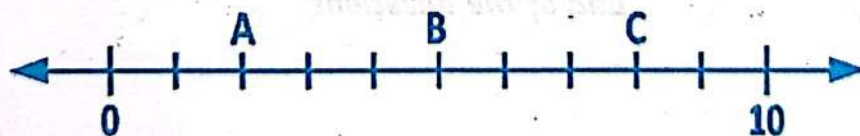
(shaded part represents the base of the figure)



[Q4]

[A] Karim has an herb garden that is 21 units long,  $\frac{2}{3}$  unit wide. What is its area?

[B] Use the number line to answer the questions:



① What is the value of B? .....

② How far is point C from point A? .....

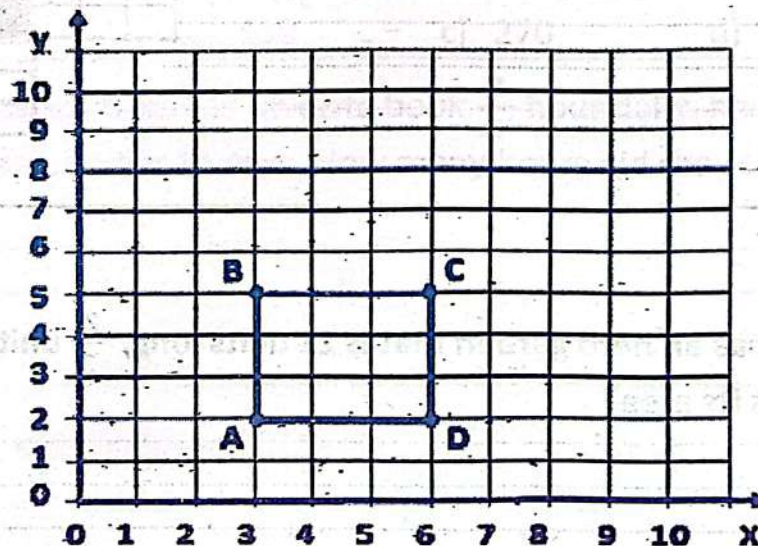


[Q5]

- [A] The teacher wants to give  $\frac{1}{8}$  of a box of pencils to each pupil. If the teacher has 5 boxes of pencils, find the number of pupils that the teacher will give them pencils?
- .....
- .....
- .....

- [B] From the opposite coordinate plane, point C ( ... , ... )

ABCD is called .....



◆◆◆  
*End of the questions*

حمل الآن

مجانا وحصريا

# امتحانات رقم (5)

## الترم الثاني





**Q1 Choose the correct answer**

- 1 The volume of cuboid = base area x -----  
 (a) length                      (b) width                      (c) height                      (d) perimeter
- 2 The point ----- located on y- axis.  
 (a) (4 , 0)                      (b) (0 , 4)                      (c) (4 , 5)                      (d) (5 , 4)
- 3 The y-coordinate at point (6,4) is -----  
 (a) 4                      (b) 6                      (c) 10                      (d) 2
- 4 The volume of a cuboid with dimensions 10 cm ,4 cm and 3 cm is -----  
 (a) 17 cm                      (b)  $17 \text{ cm}^3$                       (c)  $150 \text{ cm}^2$                       (d)  $120 \text{ cm}^3$
- 5 The area of the rectangle whose dimensions are 8 cm , $2\frac{1}{2}$  cm is -----  $\text{cm}^2$   
 (a) 20                      (b) 5                      (c) 6                      (d) 10
- 6  $2\frac{1}{3}$  hours = ----- Minutes  
 (a) 150                      (b) 120                      (c) 130                      (d) 140
- 7  $\frac{3}{7} \times \text{-----} = 1$   
 (a) 1                      (b)  $\frac{7}{3}$                       (c)  $\frac{3}{7}$                       (d)  $\frac{5}{7}$
- 8  $5\frac{1}{2} \times \frac{10}{11} = \text{-----}$   
 (a) 2                      (b) 5                      (c)  $\frac{1}{5}$                       (d)  $\frac{1}{2}$

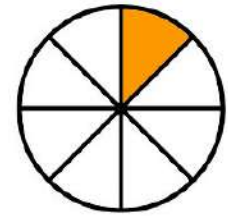
9 The fraction which represents the shaded sector is -----

(a) 8

(b)  $\frac{1}{4}$

(c)  $\frac{1}{3}$

(d)  $\frac{1}{8}$



## Q2 Answer the following

1 Sara has a piece of cloth of length 8 meters. She divided it into number of small pieces each of length  $\frac{1}{2}$  meter.  
How many pieces of cloth she got ?

.....

.....

.....

2 Omar ate  $\frac{1}{4}$  of the pie ,and Reham ate  $\frac{1}{5}$  of the same pie.  
What is the total of what Omar and Reham ate ?

.....

.....

.....

3 Find the volume of a cuboid of dimensions 70 cm , 50 cm and 30 cm

.....

.....

.....

4  $5 \frac{1}{7} + 3 \frac{1}{2} = \text{-----} + \text{-----} = \text{-----}$

5  $10 \frac{1}{7} \div 3 \frac{1}{2} = \text{-----} + \text{-----} = \text{-----}$

6 Represent the following data by the opposite pie chart.

Rate	Excellent	Good	Pass	Weak
No of students	2	8	4	2

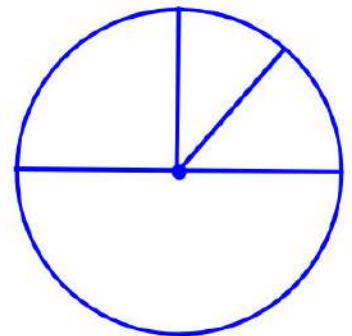
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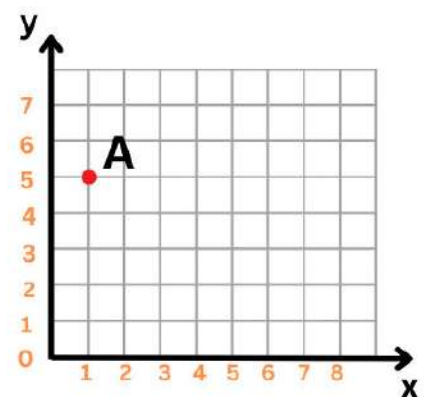
.....



7 On the coordinate plane :

a The coordinate of point  
A ( -----, ----- )

b Plot the point  
B ( 5 , 2 ) = -----





**Q1 Choose the correct answer**

- 1 The x-coordinate in ordered pair (2 , 5) is -----  
 (a) 10                      (b) 2                      (c) 5                      (d)  $\frac{2}{5}$
- 2 The circular degrees of an angle representing  $\frac{1}{4}$  of a circle is -----  
 (a)  $60^\circ$                       (b)  $90^\circ$                       (c)  $120^\circ$                       (d)  $180^\circ$
- 3 The measure of the angle which the fraction 0.5 represents it on the circle is -----  
 (a)  $90^\circ$                       (b)  $150^\circ$                       (c)  $180^\circ$                       (d)  $300^\circ$
- 4 A cuboid has 4 horizontal layers and 6 cube units in each layer, then its volume = ----- cube units.  
 (a) 18                      (b) 10                      (c) 24                      (d) 12
- 5 The L.C.M of the denominators of  $\frac{7}{12}$  and  $\frac{5}{18}$  is -----  
 (a) 12                      (b) 36                      (c) 18                      (d) 6
- 6  $6 \frac{1}{2} = \text{-----} \div 2$   
 (a) 11                      (b) 12                      (c) 13                      (d) 14
- 7  $5 \div \frac{1}{3} = \text{-----}$   
 (a) 15                      (b) 5                      (c)  $\frac{1}{15}$                       (d)  $\frac{1}{3}$
- 8  $2 \frac{1}{3}$  can be regrouped as -----  
 (a)  $1 \frac{4}{3}$                       (b) 7                      (c)  $\frac{3}{7}$                       (d)  $1 \frac{2}{3}$



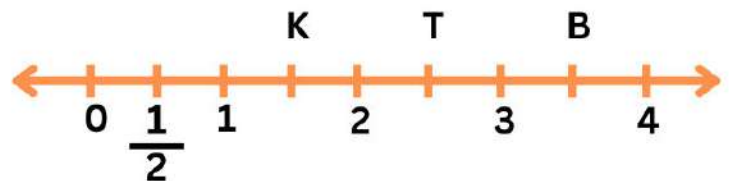
9 The distance between K and B = ..... length units.

(a) 2

(b) 3

(c)  $2\frac{1}{2}$

(d) 1



## Q2 Answer the following

1 Maria took  $2\frac{1}{3}$  hours to paint a chair and  $1\frac{1}{4}$  hours to paint a table. How much time did she take in all ?

.....

.....

.....

2 If the volume of cuboid is  $160\text{ cm}^3$  and the area of the base is  $20\text{ cm}^2$ . Find the height of that cuboid.

.....

.....

.....

3 There are 5 kilograms of a flour. A worker divides the flour into packages of  $\frac{1}{4}$  kg. How many packages will be made ?

.....

.....

.....

- 4 What is the area of a rectangle of dimensions  $5\frac{1}{3}$  m and  $2\frac{1}{4}$  m ?

.....

.....

.....

- 5 Find :

$$2\frac{1}{2} - 1\frac{1}{4} = \text{.....}$$

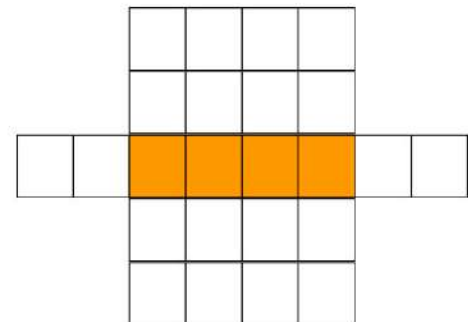
- 6 What is the volume of the solid formed from folding the net square

.....

.....

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.....



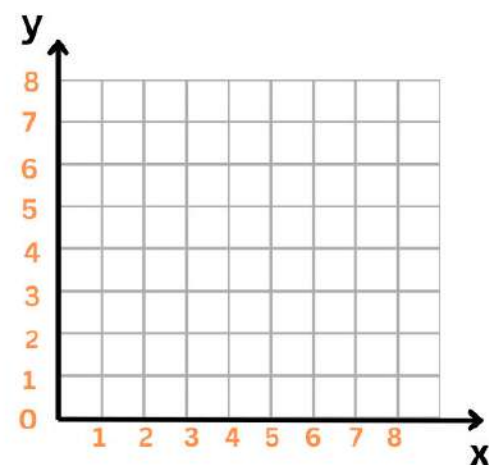
- 7 a Graph the figure ABCD where

A ( 2 , 2 )      B ( 2 , 5 )

C ( 5 , 5 )      D ( 5 , 2 )

- b What is the name of the figure ABCD?

.....



**Q1 Choose the correct answer**

- 1 Any triangle has at least two ----- angles  
(a) acute (b) right (c) obtuse (d) straight
- 2 They-coordinate in order pair (8 , 5) is -----  
(a) 3 (b) 5 (c) 8 (d) 13
- 3  $1\frac{1}{3}$  hour = ----- minutes  
(a) 60 (b) 70 (c) 80 (d) 90
- 4 The measure of the central angle which represents the circle ----  
(a)  $90^\circ$  (b)  $120^\circ$  (c)  $180^\circ$  (d)  $360^\circ$
- 5 The volume of the cuboid whose dimensions 10 cm, 8 cm, 5 cm is ----  
(a) 400 cm (b)  $400\text{ cm}^2$  (c)  $400\text{ cm}^3$  (d)  $23\text{ cm}^3$
- 6  $\frac{1}{5}$  of 15 = -----  
(a) 3 (b) 20 (c)  $\frac{1}{6}$  (d)  $\frac{1}{3}$
- 7  $2\frac{1}{4} \times 2\frac{2}{3} = \text{-----}$   
(a) 6 (b) 2 (c) 1 (d)  $\frac{1}{2}$
- 8  $4\frac{2}{3} + 3\frac{1}{6} = \text{-----}$   
(a)  $1\frac{1}{6}$  (b)  $1\frac{2}{6}$  (c)  $7\frac{1}{6}$  (d)  $7\frac{5}{6}$



9 The circular degrees that match the fraction of the circle that is shaded = ----- °



(a) 30

(b) 60

(c) 120

(d) 180

## Q2 Answer the following

1 Find the volume of a rectangular prism with dimensions 3 cm, 2 cm and 2 cm.

.....

.....

.....

2 Ayman ran  $3\frac{3}{5}$  km in one day, next day he ran  $2\frac{1}{2}$  km. What is the difference between the two distances ?

.....

.....

.....

3 If the price of each book is  $10\frac{1}{2}$  L.E., Find the price of 8 books.

.....

.....

.....



4 Find :

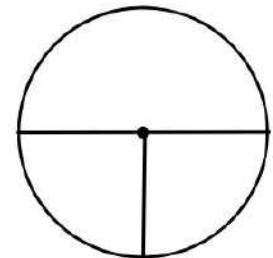
$$1\frac{1}{4} + 2\frac{1}{2} = \text{-----}$$

5 Find the value of b if :

$$b = 2 \div \frac{1}{2} = \text{-----}$$

6 Complete the pie chart using the following table :

Math	English	Arabic
10	5	5



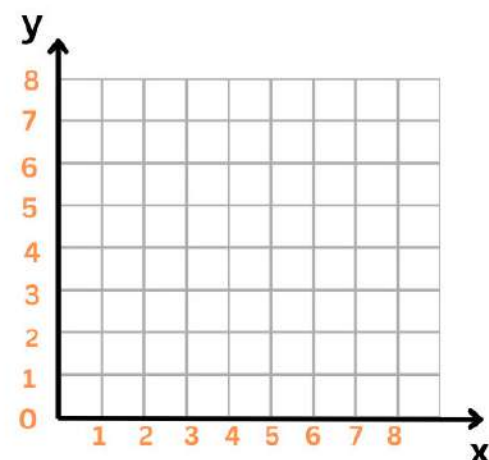
7 a Graph the figure ABCD where

A ( 2 , 8 )      B ( 3 , 4 )

C ( 8 , 4 )      D ( 7 , 8 )

b What is the name of the figure ABCD?

.....



**Q1 Choose the correct answer**

- 1 The volume of cuboid = base area x -----  
 (a) length (b) width (c) height (d) perimeter
- 2 The point ----- located on y- axis.  
 (a) (4 , 0) (b) (0 , 4) (c) (4 , 5) (d) (5 , 4)
- 3 The y-coordinate at point (6,4) is -----  
 (a) 4 (b) 6 (c) 10 (d) 2
- 4 The volume of a cuboid with dimensions 10 cm ,4 cm and 3 cm is -----  
 (a) 17 cm (b)  $17 \text{ cm}^3$  (c)  $150 \text{ cm}^2$  (d)  $120 \text{ cm}^3$
- 5 The area of the rectangle whose dimensions are 8 cm , $2\frac{1}{2}$  cm is -----  $\text{cm}^2$   
 (a) 20 (b) 5 (c) 6 (d) 10
- 6  $2\frac{1}{3}$  hours = ----- Minutes  
 (a) 150 (b) 120 (c) 130 (d) 140
- 7  $\frac{3}{7} \times \text{-----} = 1$   
 (a) 1 (b)  $\frac{7}{3}$  (c)  $\frac{3}{7}$  (d)  $\frac{5}{7}$
- 8  $5\frac{1}{2} \times \frac{10}{11} = \text{-----}$   
 (a) 2 (b) 5 (c)  $\frac{1}{5}$  (d)  $\frac{1}{2}$

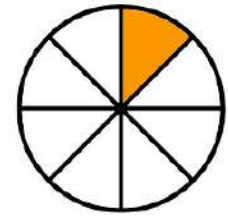
9 The fraction which represents the shaded sector is -----

(a) 8

(b)  $\frac{1}{4}$

(c)  $\frac{1}{3}$

(d)  $\frac{1}{8}$



## Q2 Answer the following

1 Sara has a piece of cloth of length 8 meters. She divided it into number of small pieces each of length  $\frac{1}{2}$  meter.  
How many pieces of cloth she got ?

The number of pieces =  $8 \div \frac{1}{2} = 16$  pieces.

2 Omar ate  $\frac{1}{4}$  of the pie ,and Reham ate  $\frac{1}{5}$  of the same pie.  
What is the total of what Omar and Reham ate ?

The total amount they ate =

$$= \frac{1}{4} + \frac{1}{5} = \frac{5}{20} + \frac{4}{20} = \frac{9}{20}$$

3 Find the volume of a cuboid of dimensions 70 cm , 50 cm and 30 cm

The volume =  $30 \times 70 \times 50 = 105,000 \text{ cm}^3$

$$4 \quad 5 \frac{1}{7} + 3 \frac{1}{2} = 5 \frac{2}{14} + 3 \frac{7}{14} = 8 \frac{9}{14}$$

$$5 \quad 10 \frac{1}{7} \div 3 \frac{1}{2} = 2 \frac{44}{49}$$

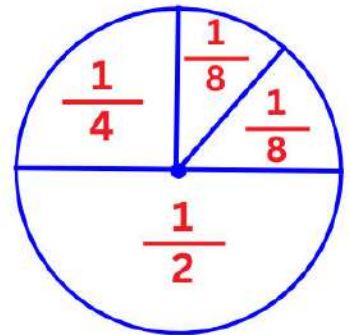
6 Represent the following data by the opposite pie chart.

Rate	Excellent	Good	Pass	Weak
No of students	2	8	4	2

$$\text{Excellent} = \frac{2}{16} = \frac{1}{8}$$

$$\text{Good} = \frac{8}{16} = \frac{1}{2}$$

$$\text{Pass} = \frac{4}{16} = \frac{1}{4} \quad \text{Weak} = \frac{2}{16} = \frac{1}{8}$$



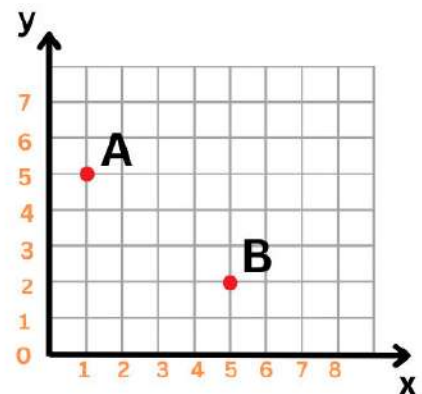
7 On the coordinate plane :

a The coordinate of point

A ( 1 , 5 )

b Plot the point

B ( 5 , 2 )





**Q1 Choose the correct answer**

- 1 The x-coordinate in ordered pair (2 , 5) is -----  
(a) 10                      (b) 2                      (c) 5                      (d)  $\frac{2}{5}$
- 2 The circular degrees of an angle representing  $\frac{1}{4}$  of a circle is -----  
(a)  $60^\circ$                       (b)  $90^\circ$                       (c)  $120^\circ$                       (d)  $180^\circ$
- 3 The measure of the angle which the fraction 0.5 represents it on the circle is -----  
(a)  $90^\circ$                       (b)  $150^\circ$                       (c)  $180^\circ$                       (d)  $300^\circ$
- 4 A cuboid has 4 horizontal layers and 6 cube units in each layer, then its volume = ----- cube units.  
(a) 18                      (b) 10                      (c) 24                      (d) 12
- 5 The L.C.M of the denominators of  $\frac{7}{12}$  and  $\frac{5}{18}$  is -----  
(a) 12                      (b) 36                      (c) 18                      (d) 6
- 6  $6 \frac{1}{2} = \text{-----} \div 2$   
(a) 11                      (b) 12                      (c) 13                      (d) 14
- 7  $5 \div \frac{1}{3} = \text{-----}$   
(a) 15                      (b) 5                      (c)  $\frac{1}{15}$                       (d)  $\frac{1}{3}$
- 8  $2 \frac{1}{3}$  can be regrouped as -----  
(a)  $1 \frac{4}{3}$                       (b) 7                      (c)  $\frac{3}{7}$                       (d)  $1 \frac{2}{3}$

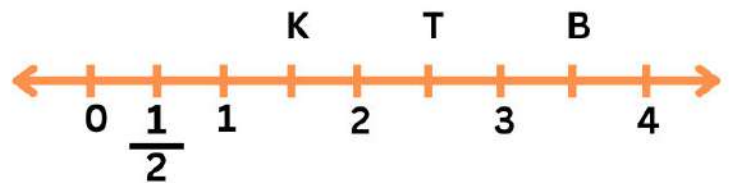
9 The distance between K and B = ..... length units.

(a) 2

(b) 3

(c)  $2\frac{1}{2}$

(d) 1



## Q2 Answer the following

1 Maria took  $2\frac{1}{3}$  hours to paint a chair and  $1\frac{1}{4}$  hours to paint a table. How much time did she take in all ?

The time she took =

$$1\frac{1}{4} + 2\frac{1}{3} = 1\frac{3}{12} + 2\frac{4}{12} = 3\frac{7}{12} \text{ hours.}$$

2 If the volume of cuboid is  $160 \text{ cm}^3$  and the area of the base is  $20 \text{ cm}^2$ . Find the height of that cuboid.

$$\text{The height} = \frac{160}{20} = 8 \text{ cm.}$$

3 There are 5 kilograms of a flour. A worker divides the flour into packages of  $\frac{1}{4}$  kg. How many packages will be made ?

$$\text{The number of packages} = 5 \div \frac{1}{4} = 20 \text{ packages.}$$

- 4 What is the area of a rectangle of dimensions  $5\frac{1}{3}$  m and  $2\frac{1}{4}$  m ?

The area of rectangle =

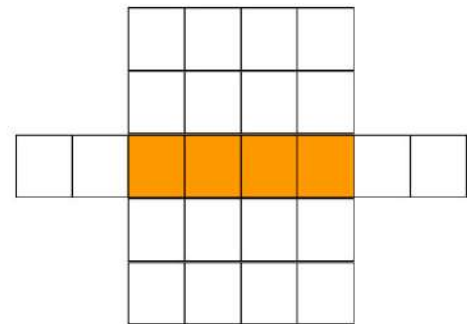
$$5\frac{1}{3} \times 2\frac{1}{4} = 12 \text{ m}^2$$

- 5 Find :

$$2\frac{1}{2} - 1\frac{1}{4} = 2\frac{2}{4} - 1\frac{1}{4} = 1\frac{1}{4}$$

- 6 What is the volume of the solid formed from folding the net square

$$\text{The volume} = 4 \times 1 \times 2 = 8 \text{ cm}^3$$



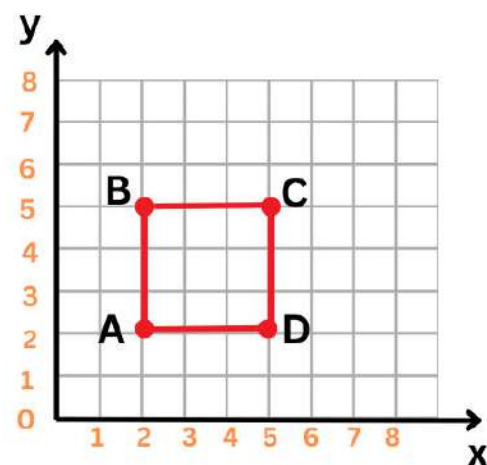
- 7 a Graph the figure ABCD where

A (2, 2)      B (2, 5)

C (5, 5)      D (5, 2)

- b What is the name of the figure ABCD?

Square





**Q1 Choose the correct answer**

- 1 Any triangle has at least two ----- angles  
(a) acute (b) right (c) obtuse (d) straight
- 2 The y-coordinate in order pair (8 , 5) is -----  
(a) 3 (b) 5 (c) 8 (d) 13
- 3  $1\frac{1}{3}$  hour = ----- minutes  
(a) 60 (b) 70 (c) 80 (d) 90
- 4 The measure of the central angle which represents the circle ----  
(a)  $90^\circ$  (b)  $120^\circ$  (c)  $180^\circ$  (d)  $360^\circ$
- 5 The volume of the cuboid whose dimensions 10 cm, 8 cm, 5 cm is ----  
(a) 400 cm (b)  $400\text{ cm}^2$  (c)  $400\text{ cm}^3$  (d)  $23\text{ cm}^3$
- 6  $\frac{1}{5}$  of 15 = -----  
(a) 3 (b) 20 (c)  $\frac{1}{6}$  (d)  $\frac{1}{3}$
- 7  $2\frac{1}{4} \times 2\frac{2}{3} =$  -----  
(a) 6 (b) 2 (c) 1 (d)  $\frac{1}{2}$
- 8  $4\frac{2}{3} + 3\frac{1}{6} =$  -----  
(a)  $1\frac{1}{6}$  (b)  $1\frac{2}{6}$  (c)  $7\frac{1}{6}$  (d)  $7\frac{5}{6}$



- 9 The circular degrees that match the fraction of the circle that is shaded = ----- °



- (a) 30                      (b) 60                      (c) 120                      (d) 180

## Q2 Answer the following

- 1 Find the volume of a rectangular prism with dimensions 3 cm, 2 cm and 2 cm.

The volume of the prism =  $2 \times 3 \times 2 = 12 \text{ cm}^3$

- 2 Ayman ran  $3\frac{3}{5}$  km in one day, next day he ran  $2\frac{1}{2}$  km. What is the difference between the two distances ?

The differenc =  $3\frac{3}{5} - 2\frac{1}{2} = 3\frac{6}{10} - 2\frac{5}{10} = 1\frac{1}{10} \text{ km.}$

- 3 If the price of each book is  $10\frac{1}{2}$  L.E., Find the price of 8 books.

The price of the books =  $8 \times 10\frac{1}{2} = 84 \text{ L.E.}$

4 Find :

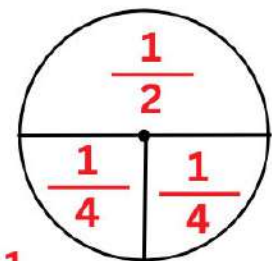
$$1\frac{1}{4} + 2\frac{1}{2} = 1\frac{1}{4} + 2\frac{2}{4} = 3\frac{3}{4}$$

5 Find the value of b if :

$$b = 2 \div \frac{1}{2} = 4$$

6 Complete the pie chart using the following table :

Math	English	Arabic
10	5	5



$$\text{Math} = \frac{10}{20} = \frac{1}{2} \quad \text{English} = \frac{5}{20} = \frac{1}{4}$$

$$\text{Arabic} = \frac{5}{20} = \frac{1}{4}$$

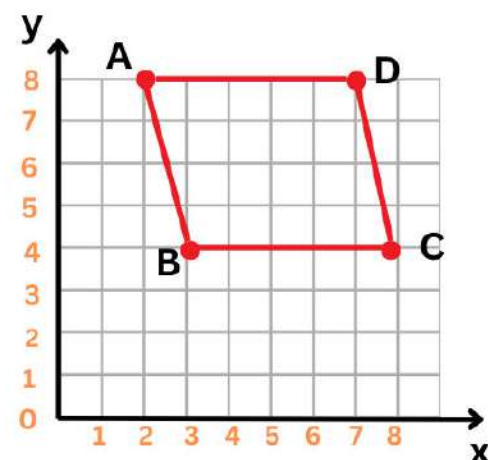
7 (a) Graph the figure ABCD where

A (2 , 8)      B (3 , 4)

C (8 , 4)      D (7 , 8)

(b) What is the name of the figure ABCD?

Parallelogram



حمل الآن

مجانا وحصريا

# امتحانات رقم (6)

## الترم الثاني



Q1: CHOOSE THE CORRECT ANSWER

- 1 If the sum of edges of a cube is 48 cm, then its volume equals .....  $\text{cm}^3$ .  
 (a) 24 (b) 96 (c) 16 (d) 64
- 2  $\frac{3}{4} \times 6 = \dots \times 3$   
 (a)  $\frac{3}{4}$  (b)  $\frac{2}{3}$  (c)  $\frac{3}{2}$  (d)  $\frac{6}{9}$
- 3  $4 \div \frac{1}{2} = \dots$   
 (a) 2 (b) 6 (c) 8 (d)  $4\frac{1}{2}$
- 4 A triangle whose side lengths are 4 cm, 4 cm ..... cm is an equilateral triangle  
 (a) 4 (b) 7 (c) 3 (d) 5
- 5 If  $8 \div k = 24$ , then the value of  $k = \dots$   
 (a)  $\frac{1}{3}$  (b)  $\frac{1}{8}$  (c)  $\frac{1}{2}$  (d) 3
- 6  $4\frac{8}{9} + \frac{1}{3} = \dots + \frac{2}{9}$   
 (a)  $5\frac{2}{3}$  (b) 5 (c) 4 (d) 3
- 7 A parallelogram with four right angles is a .....  
 (a) rectangle (b) rhombus (c) trapezium (d) parallelogram
- 8 The length of a rectangle is 6 cm and its width is  $2\frac{1}{3}$  cm, then its area is .....  $\text{cm}^2$ .  
 (a)  $4\frac{1}{4}$  (b)  $8\frac{1}{4}$  (c)  $12\frac{1}{4}$  (d) 14
- 9 A ..... is a 3D shape with 5 faces, one of which is a square and the other faces are in the shape of triangles  
 (a) pyramid (b) cube  
 (c) rectangular prism (d) cone



FOLLOW US



Q2: ANSWER THE FOLLOWING

- 1 There are 5 kg of chickpeas, and the worker packs them into containers, each holding  $\frac{1}{8}$  kg. How many containers are needed?

.....

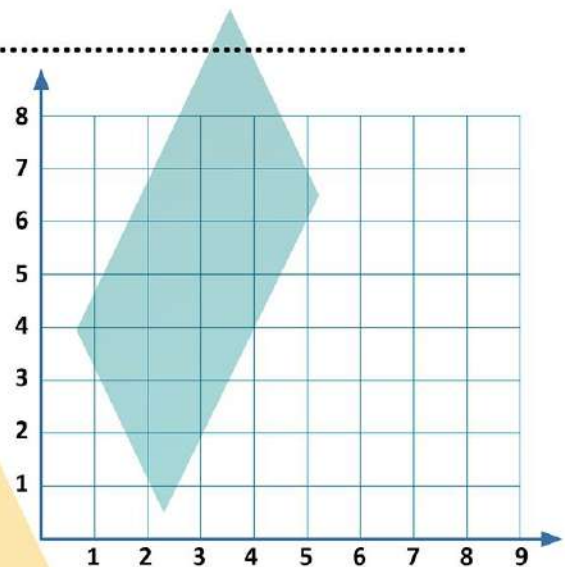
- 2 Plot the points on the XY-plane:

A(2 , 1), B(2 , 4), C(5 , 1).

Then join these points.

What is the name of the figure?

.....



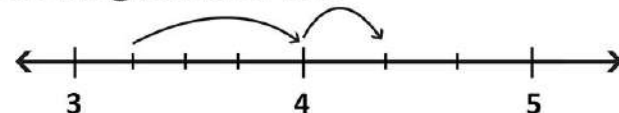
- 3 A rectangular prism has a volume of  $120 \text{ cm}^3$ , a length of 8 cm and a height of 5 cm. Find its width.

.....

- 4 A tank of water contains  $4\frac{4}{5}$  liter of water. Sara used  $1\frac{1}{4}$  liters and Murad drank  $\frac{3}{4}$  liter, How much of water is left in the tank?

.....

- 5 The subtraction problem that represents the following number line is .....



- 6 Find the missing number using any strategy. Simplify, if possible:

a  $15\frac{1}{4} - c = 8$

b  $4\frac{2}{5} + k = 9\frac{3}{4}$

- 7 The measure of the central angle of the circular sector that represents  $\frac{2}{3}$  of the circle is ..... °.



FOLLOW US

Q1: CHOOSE THE CORRECT ANSWER

- 1 A cuboid has 3 horizontal layers and 5 cube unit in each layer,  
Then its volume = ..... cube units  
 (a) 8 (b) 2 (c) 15 (d) 9
- 2 The fraction  $3\frac{3}{4}$  by regrouping is .....  
 (a)  $\frac{14}{4}$  (b)  $2\frac{6}{4}$  (c)  $1\frac{11}{4}$  (d)  $2\frac{5}{4}$
- 3  $7\frac{1}{4} \times \dots = 1$   
 (a)  $\frac{4}{28}$  (b)  $\frac{4}{29}$  (c)  $\frac{29}{4}$  (d)  $7\frac{1}{4}$
- 4  $75^\circ$ ,  $80^\circ$ , and  $25^\circ$  are the measures of the angles of ..... triangle  
 (a) acute (b) right (c) obtuse (d) otherwise
- 5  $1 - \frac{1}{3} - \frac{2}{3} = \dots$   
 (a)  $\frac{1}{3}$  (b)  $\frac{2}{3}$  (c) zero (d) 1
- 6  $4 \div \dots = 12$   
 (a)  $\frac{1}{3}$  (b)  $\frac{1}{4}$  (c) 4 (d) 3
- 7 The rectangle which has two adjacent sides are equal in length is called .....  
 (a) square (b) rhombus (c) kite (d) parallelogram
- 8 The angle which represents  $\frac{1}{3}$  of a circle is .....  
 (a) 120 (b) 90 (c) 180 (d) 135
- 9 Point ..... is located on the x-axis.  
 (a) (5, 1) (b) (5, 0)  
 (c) (1, 5) (d) (0, 5)



FOLLOW US



Q2: ANSWER THE FOLLOWING

1 The price of each pen is  $2\frac{1}{2}$  LE. Find the price of 5 pens.

.....

2 Assil had  $15\frac{1}{2}$  pounds, she bought a ruler for  $4\frac{1}{4}$  pounds and a pen for  $5\frac{1}{2}$  pounds. What is the remaining amount with Assil?

.....

3 A cubic meter is the measuring unit of .....

4 The rectangle whose width is  $\frac{3}{4}$  cm and its area is  $3\text{ cm}^2$ , Calculate its length.

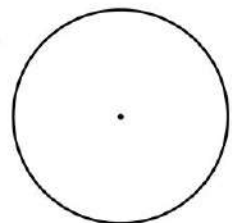
.....

5 Ahmed Nassr collected  $4\frac{1}{4}$  kg of dates, he gave  $2\frac{3}{5}$  kg to his friend. How many kilograms are left with Ahmed Nassr?

.....

6 The following table represents the results of a questionnaire about the most preferred fruit by a group of students:

Fruit	Mango	Apple	Banana	Orange
No. of student	18	9	6	3



Shade the pie chart using the data in the table, then write the fraction that represents each fruit:

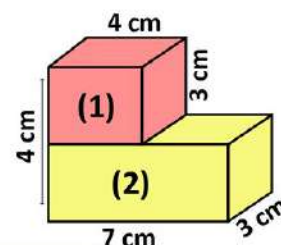
Mango: ....., Apple: ....., Banana: ....., Orange: .....

7 Find the area of the opposite figure:

The volume of (1) = .....

The volume of (2) = .....

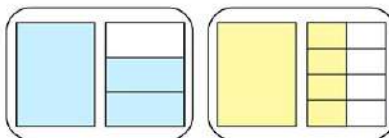
The volume of figure = .....



FOLLOW US

### Q1: CHOOSE THE CORRECT ANSWER

- 1 If the area of one face of a cube is  $9 \text{ cm}^2$ . Then the volume equals .....  $\text{cm}^3$ .  
 (a) 27 (b) 729 (c) 81 (d) 3
- 2 The four angles are equal in square and .....  
 (a) rectangle (b) rhombus (c) trapezium (d) parallelogram
- 3  $3\frac{2}{5} \times 5 = \dots\dots\dots$   
 (a) 5 (b)  $\frac{17}{5}$  (c) 17 (d)  $3\frac{10}{5}$
- 4  $\frac{35}{56} = \dots\dots\dots$   
 (a)  $\frac{8}{5}$  (b)  $\frac{7}{5}$  (c)  $\frac{7}{8}$  (d)  $\frac{5}{8}$
- 5  $3\frac{1}{2} - \dots\dots\dots = 1\frac{3}{8}$   
 (a)  $2\frac{5}{8}$  (b)  $1\frac{1}{8}$  (c)  $1\frac{5}{8}$  (d)  $2\frac{1}{8}$
- 6 A ..... is a quadrilateral with one pair of acute angle and one pair of obtuse angles.  
 (a) rectangle (b) square (c) trapezium (d) parallelogram
- 7  $3\frac{3}{4}$  hour = ..... minutes.  
 (a) 250 (b) 225 (c) 195 (d) 230
- 8 A cuboid with base area is  $18 \text{ cm}^2$ . and its height is 2 cm. Then its volume equals ....  
 (a)  $36 \text{ cm}^3$  (b)  $72 \text{ cm}^3$  (c)  $9 \text{ cm}^3$  (d)  $20 \text{ cm}^3$
- 9 The addition problem that represents the following model is .....  
 (a)  $1\frac{1}{3} + 1\frac{2}{3}$  (b)  $1\frac{1}{3} + 1\frac{1}{2}$   
 (c)  $1\frac{2}{3} + 1\frac{1}{2}$  (d)  $1\frac{2}{3} + 1\frac{4}{6}$



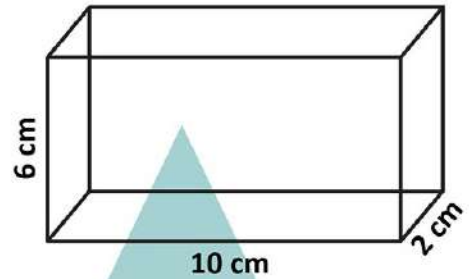


Q2: ANSWER THE FOLLOWING

1  $g - 3\frac{2}{5} = 2\frac{3}{5}$ , then  $g = \dots\dots\dots$

2 Find the area of the opposite figure:

The volume =  $\dots\dots\dots$   
 $\dots\dots\dots$



3 Azz walked  $5\frac{2}{3}$  km on Thursday and  $2\frac{4}{12}$  km on Friday.  
How many kilometers did he walk in total over the two days?

$\dots\dots\dots$

4 Find the area of a rectangle of length  $3\frac{3}{4}$  cm, and width is 2 cm

$\dots\dots\dots$

5 Maram feeds her cat  $\frac{1}{8}$  kg of cat food each day.  
How many days will it take for the cat to eat 4 kg of food?

$\dots\dots\dots$

6 Locate the following points on the coordinate grid

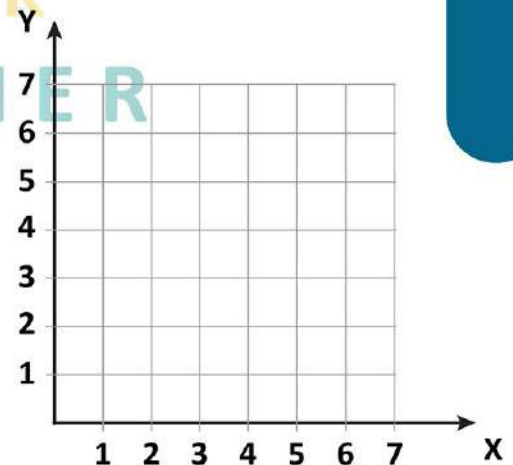
A (1, 1), B (6, 1), C (6, 4), D (1, 4),

Then connect them. Find:

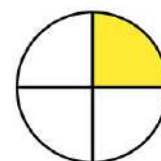
The name of the figure:  $\dots\dots\dots$

AB //  $\dots\dots\dots$ , BC //  $\dots\dots\dots$

CD =  $\dots\dots\dots$  = AD =  $\dots\dots\dots$



7 The opposite figure represents 80 persons participate in a survey, then number of persons of who represents shaded part is  $\dots\dots\dots$  persons.



FOLLOW US

01: CHOOSE THE CORRECT ANSWER

- 1 The measure of the central angle of the circular sector that represents  $\frac{1}{8}$  of the circle is ..... °.  
 (a) 80 (b) 90 (c) 45 (d) 125
- 2  $\frac{6}{9} - \dots = \frac{1}{3}$   
 (a)  $\frac{1}{3}$  (b)  $\frac{1}{9}$  (c)  $\frac{5}{9}$  (d)  $\frac{2}{3}$
- 3 A parallelogram with four equal sides is a .....  
 (a) rectangle (b) rhombus (c) parallelogram (d) trapezium
- 4 In the ordered pair (7, 2), the x-coordinate is .....  
 (a) 14 (b) 9 (c) 7 (d) 2
- 5 The estimate of  $3\frac{4}{5} - 2\frac{1}{9}$  is .....  
 (a) 2 (b) 0 (c) 1 (d) 5
- 6  $3\frac{4}{7} \times \dots = \frac{25}{7} \times \frac{12}{5}$   
 (a)  $1\frac{2}{5}$  (b)  $2\frac{1}{5}$  (c)  $2\frac{2}{5}$  (d)  $5\frac{1}{2}$
- 7 .....  $\div 2 = 8$   
 (a)  $\frac{1}{16}$  (b)  $\frac{1}{2}$  (c) 2 (d) 16
- 8 A triangle whose side lengths are 3 cm, 5 cm, and 3 cm is called a/an ..... triangle.  
 (a) scalene (b) equilateral (c) isosceles (d) otherwise
- 9 A cuboid with base area is  $15 \text{ cm}^2$ . and its volume is  $90 \text{ cm}^3$ . Then its height equals ..... cm  
 (a) 1,350 (b) 30  
 (c) 6 (d) 12



FOLLOW US



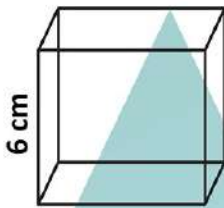
Q2: ANSWER THE FOLLOWING

- 1 A swimming pool is in the shape of a cuboid, its base is of length 70 meters and its width is 40 meters. Find the depth if 56,000 cm<sup>3</sup> of water fill this swimming pool completely.

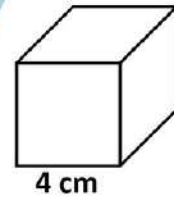
.....  
.....

- 2 Find:  $4\frac{1}{3} - 2\frac{2}{3} = \dots\dots\dots$

- 3 Find the volume of each of the following cubes:



The volume = .....



The volume = .....

- 4 Alya had  $2\frac{1}{2}$  pounds, and her father gave her  $3\frac{1}{2}$  pounds. She wants to buy pens that cost  $\frac{1}{2}$  pounds each. How many pens can she buy?

.....

- 5 In  $\Delta ABC$ ,  $AB = BC = 4$  cm and  $AC = 5$  cm, then it is ..... triangle according to its side lengths.

- 6 Taim bought  $\frac{4}{7}$  kilogram of flour and  $\frac{1}{3}$  kilogram of sugar. What is the total mass of what Taim bought?

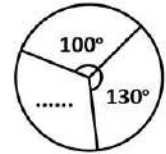
.....

- 7 The opposite figure represents 360 persons participate in a survey, then number of persons of who represents shaded part is ..... persons.





Q1: CHOOSE THE CORRECT ANSWER



1 In the opposite figure, the measure of the central angle of the colored circular sector equals .....°.

- (a) 360 (b) 130 (c) 230 (d) 30

2  $\frac{1}{6} \div \dots = 2$

- (a) 12 (b)  $\frac{1}{6}$  (c) 6 (d)  $\frac{1}{12}$

3 The ..... is the point of intersection of the x-axis with the y-axis.

- (a) origin point (b) starting point (c) ending point (d) ordered pair

4  $9 - 1\frac{1}{2} = \dots$

- (a)  $8\frac{1}{2}$  (b)  $7\frac{1}{2}$  (c) 8 (d) 7

5 ..... is the amount of liquid a container can hold.

- (a) Area (b) Perimeter (c) Volume (d) Capacity

6  $8\frac{1}{2}$    $8\frac{1}{2}$

- (a) > (b) = (c) < (d) otherwise

7 The point ..... lies on the y-axis.

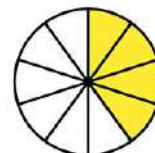
- (a) (8, 0) (b) (0, 8) (c) (1, 8) (d) (8, 1)

8 A rectangle whose width is  $1\frac{1}{3}$  m and its area is  $2 \text{ m}^2$ , so its length is ..... meters

- (a)  $\frac{2}{3}$  (b)  $\frac{1}{6}$  (c) 6 (d)  $\frac{3}{2}$

9 The measure of the central angle that represents the opposite colored sector is ..... °.

- (a) 36 (b) 72  
(c) 144 (d) 150

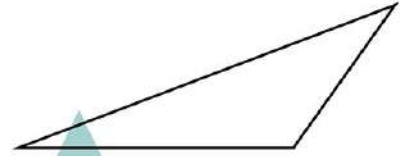


FOLLOW US

Q2: ANSWER THE FOLLOWING

1 Which two types of triangles are shown?

- ☐ a Scalene triangle  
☐ b Isosceles triangle  
☐ c Equilateral triangle  
☐ d Right triangle  
☐ e Acute triangle  
☐ f Obtuse triangle



2 There are 4 bags of beans, and each bag weighs  $\frac{3}{4}$  kg.  
What is the total weight of the beans?

.....

3 Find the result in the simplest form:

- ☐ a  $\frac{3}{4} + \frac{5}{6}$   
☐ b  $3\frac{1}{2} - 1\frac{1}{6}$

.....

4 A rectangular prism has 2 vertical slices, each slice has a volume of  $4 \text{ cm}^3$ ,  
Find the volume?

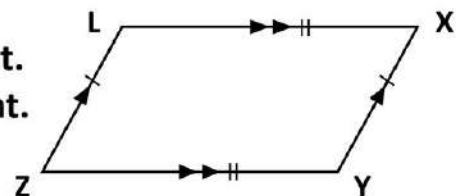
.....

5 The values of the missing number  
in the table are ..... and .....

x values	1	2	3	4	5
y values	4	8	12	.....	.....

6 Study the corresponding figure, then complete:

- ☐ a The corresponding figure is called .....  
☐ b YZ and ..... are parallel and congruent.  
☐ c LZ and ..... are parallel and congruent.  
☐ d  $\angle X$  and  $\angle Z$  are ..... angles.  
☐ e  $\angle Y$  and  $\angle L$  are ..... angles.



7 When the opposite 3D shape is divided into 3 slices,  
each slice contains ..... cubes.



FOLLOW US



01: CHOOSE THE CORRECT ANSWER

1 If the sum of edges of a cube is 48 cm, then its volume equals .....  $\text{cm}^3$ .

(a) 24

(b) 96

(c) 16

(d) 64

2  $\frac{3}{4} \times 6 = \dots \times 3$

(a)  $\frac{3}{4}$

(b)  $\frac{2}{3}$

(c)  $\frac{3}{2}$

(d)  $\frac{6}{9}$

3  $4 \div \frac{1}{2} = \dots$

(a) 2

(b) 6

(c) 8

(d)  $4\frac{1}{2}$

4 A triangle whose side lengths are 4 cm, 4 cm ..... cm is an equilateral triangle

(a) 4

(b) 7

(c) 3

(d) 5

5 If  $8 \div k = 24$ , then the value of  $k = \dots$

(a)  $\frac{1}{3}$

(b)  $\frac{1}{8}$

(c)  $\frac{1}{2}$

(d) 3

6  $4\frac{8}{9} + \frac{1}{3} = \dots + \frac{2}{9}$

(a)  $5\frac{2}{3}$

(b) 5

(c) 4

(d) 3

7 A parallelogram with four right angles is a .....

(a) rectangle

(b) rhombus

(c) trapezium

(d) parallelogram

8 The length of a rectangle is 6 cm and its width is  $2\frac{1}{3}$  cm, then its area is .....  $\text{cm}^2$ .

(a)  $4\frac{1}{4}$

(b)  $8\frac{1}{4}$

(c)  $12\frac{1}{4}$

(d) 14

9 A ..... is a 3D shape with 5 faces, one of which is a square and the other faces are in the shape of triangles

(a) pyramid

(b) cube

(c) rectangular prism

(d) cone



FOLLOW US



Q2: ANSWER THE FOLLOWING

- 1 There are 5 kg of chickpeas, and the worker packs them into containers, each holding  $\frac{1}{8}$  kg. How many containers are needed?

.....  $5 \div \frac{1}{8} = 5 \times 8 = 40$  containers .....

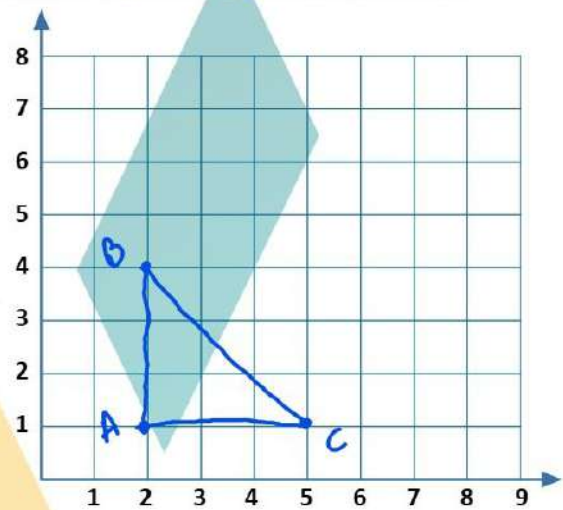
- 2 Plot the points on the XY-plane:

A(2, 1), B(2, 4), C(5, 1).

Then join these points.

What is the name of the figure?

..... Right-angled triangle .....



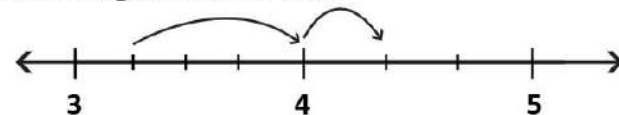
- 3 A rectangular prism has a volume of  $120 \text{ cm}^3$ , a length of 8 cm and a height of 5 cm. Find its width.

.....  $\text{width} = 120 \div (8 \times 5) = 120 \div 40 = 3 \text{ cm}$  .....

- 4 A tank of water contains  $4\frac{4}{5}$  liter of water. Sara used  $1\frac{1}{4}$  liters and Murad drank  $\frac{3}{4}$  liter, How much of water is left in the tank?

.....  $\text{Used water} = 1\frac{1}{4} + \frac{3}{4} = 2 \text{ liter} / \text{left water} = 4\frac{4}{5} - 2 = 2\frac{4}{5} \text{ liter.}$  .....

- 5 The subtraction problem that represents the following number line is ...  $4\frac{1}{3} - 3\frac{1}{4}$  .....



- 6 Find the missing number using any strategy. Simplify, if possible:

a  $15\frac{1}{4} - c = 8$   $7\frac{1}{4}$

b  $4\frac{2}{5} + k = 9\frac{3}{4}$   $5\frac{7}{20}$

- 7 The measure of the central angle of the circular sector that represents  $\frac{2}{3}$  of the circle is ...  $240$  ... °.



FOLLOW US

01: CHOOSE THE CORRECT ANSWER

- 1 A cuboid has 3 horizontal layers and 5 cube unit in each layer,  
Then its volume = ..... cube units  
 (a) 8 (b) 2 (c) 15 (d) 9
- 2 The fraction  $3\frac{3}{4}$  by regrouping is .....  
 (a)  $\frac{14}{4}$  (b)  $2\frac{6}{4}$  (c)  $1\frac{11}{4}$  (d)  $2\frac{5}{4}$
- 3  $7\frac{1}{4} \times \dots = 1$   
 (a)  $\frac{4}{28}$  (b)  $\frac{4}{29}$  (c)  $\frac{29}{4}$  (d)  $7\frac{1}{4}$
- 4  $75^\circ$ ,  $80^\circ$ , and  $25^\circ$  are the measures of the angles of ..... triangle  
 (a) acute (b) right (c) obtuse (d) otherwise
- 5  $1 - \frac{1}{3} - \frac{2}{3} = \dots$   
 (a)  $\frac{1}{3}$  (b)  $\frac{2}{3}$  (c) zero (d) 1
- 6  $4 \div \dots = 12$   
 (a)  $\frac{1}{3}$  (b)  $\frac{1}{4}$  (c) 4 (d) 3
- 7 The rectangle which has two adjacent sides are equal in length is called .....  
 (a) square (b) rhombus (c) kite (d) parallelogram
- 8 The angle which represents  $\frac{1}{3}$  of a circle is .....  
 (a) 120 (b) 90 (c) 180 (d) 135
- 9 Point ..... is located on the x-axis.  
 (a) (5, 1) (b) (5, 0)  
 (c) (1, 5) (d) (0, 5)



FOLLOW US



Q2: ANSWER THE FOLLOWING

- 1 The price of each pen is  $2\frac{1}{2}$  LE. Find the price of 5 pens.

$$2\frac{1}{2} \times 5 = \frac{5}{2} \times 5 = \frac{25}{2} = 12\frac{1}{2} \text{ LE}$$

- 2 Assil had  $15\frac{1}{2}$  pounds, she bought a ruler for  $4\frac{1}{4}$  pounds and a pen for  $5\frac{1}{2}$  pounds. What is the remaining amount with Assil?

$$\text{she paid} = 4\frac{1}{4} + 5\frac{1}{2} = 9\frac{3}{4} \text{ L.E.} / \text{ left} = 15\frac{1}{2} - 9\frac{3}{4} = 5\frac{3}{4} \text{ L.E.}$$

- 3 A cubic meter is the measuring unit of .... volume .

- 4 The rectangle whose width is  $\frac{3}{4}$  cm and its area is  $3 \text{ cm}^2$ ,  
Calculate its length.

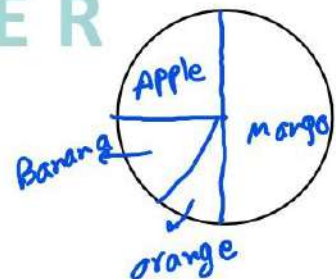
$$\text{length} = 3 \div \frac{3}{4} = 3 \times \frac{4}{3} = 4 \text{ cm}$$

- 5 Ahmed Nassr collected  $4\frac{1}{4}$  kg of dates, he gave  $2\frac{3}{5}$  kg to his friend.  
How many kilograms are left with Ahmed Nassr?

$$4\frac{1}{4} - 2\frac{3}{5} = 4\frac{5}{20} - 2\frac{12}{20} = 3\frac{25}{20} - 2\frac{12}{20} = 1\frac{13}{20} \text{ kg}$$

- 6 The following table represents the results of a questionnaire about the most preferred fruit by a group of students:

Fruit	Mango	Apple	Banana	Orange
No. of student	18	9	6	3



Shade the pie chart using the data in the table,  
then write the fraction that represents each fruit:

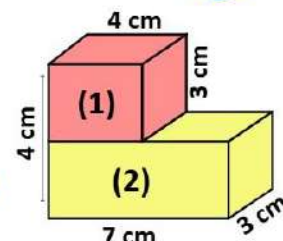
Mango:  $\frac{1}{2}$  ....., Apple:  $\frac{1}{4}$  ....., Banana:  $\frac{1}{6}$  ....., Orange:  $\frac{1}{12}$  .....

- 7 Find the area of the opposite figure:

The volume of (1) =  $3 \times 4 \times 3 = 36 \text{ cm}^3$

The volume of (2) =  $7 \times 3 \times 1 = 21 \text{ cm}^3$

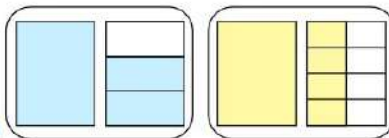
The volume of figure =  $36 + 21 = 57 \text{ cm}^3$





### Q1: CHOOSE THE CORRECT ANSWER

- 1 If the area of one face of a cube is  $9 \text{ cm}^2$ . Then the volume equals .....  $\text{cm}^3$ .  
☒ a 27      ☐ b 729      ☐ c 81      ☐ d 3
- 2 The four angles are equal in square and .....  
☐ a rectangle      ☒ b rhombus      ☐ c trapezium      ☐ d parallelogram
- 3  $3\frac{2}{5} \times 5 = \dots\dots\dots$   
☐ a 5      ☐ b  $\frac{17}{5}$       ☒ c 17      ☐ d  $3\frac{10}{5}$
- 4  $\frac{35}{56} = \dots\dots\dots$   
☐ a  $\frac{8}{5}$       ☐ b  $\frac{7}{5}$       ☐ c  $\frac{7}{8}$       ☒ d  $\frac{5}{8}$
- 5  $3\frac{1}{2} - \dots\dots\dots = 1\frac{3}{8}$   
☐ a  $2\frac{5}{8}$       ☐ b  $1\frac{1}{8}$       ☐ c  $1\frac{5}{8}$       ☒ d  $2\frac{1}{8}$
- 6 A ..... is a quadrilateral with one pair of acute angle and one pair of obtuse angles.  
☐ a rectangle      ☐ b square      ☐ c trapezium      ☒ d parallelogram
- 7  $3\frac{3}{4}$  hour = ..... minutes.  
☐ a 250      ☒ b 225      ☐ c 195      ☐ d 230
- 8 A cuboid with base area is  $18 \text{ cm}^2$ . and its height is 2 cm. Then its volume equals ....  
☒ a  $36 \text{ cm}^3$       ☐ b  $72 \text{ cm}^3$       ☐ c  $9 \text{ cm}^3$       ☐ d  $20 \text{ cm}^3$
- 9 The addition problem that represents the following model is .....  
☐ a  $1\frac{1}{3} + 1\frac{2}{3}$       ☐ b  $1\frac{1}{3} + 1\frac{1}{2}$   
☒ c  $1\frac{2}{3} + 1\frac{1}{2}$       ☐ d  $1\frac{2}{3} + 1\frac{3}{6}$

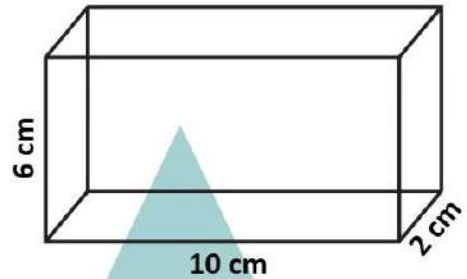


Q2: ANSWER THE FOLLOWING

1  $g - 3\frac{2}{5} = 2\frac{3}{5}$ , then  $g = \dots 6 \dots$

2 Find the area of the opposite figure:

The volume =  $\dots 2 \times 10 \times 6 \dots$   
 $\dots = 120 \text{ cm}^3 \dots$



3 Azz walked  $5\frac{2}{3}$  km on Thursday and  $2\frac{4}{12}$  km on Friday.

How many kilometers did he walk in total over the two days?

$\dots 5\frac{2}{3} + 2\frac{4}{12} = 5\frac{8}{12} + 2\frac{4}{12} = 7\frac{12}{12} = 8 \text{ km} \dots$

4 Find the area of a rectangle of length  $3\frac{3}{4}$  cm, and with is 2 cm

$\dots 3\frac{3}{4} \times 2 = \frac{15}{4} \times 2 = 7\frac{1}{2} \text{ cm}^2 \dots$

5 Maram feeds her cat  $\frac{1}{8}$  kg of cat food each day.

How many days will it take for the cat to eat 4 kg of food?

$\dots 4 \div \frac{1}{8} = 4 \times 8 = 32 \text{ days} \dots$

6 Locate the following points on the coordinate grid

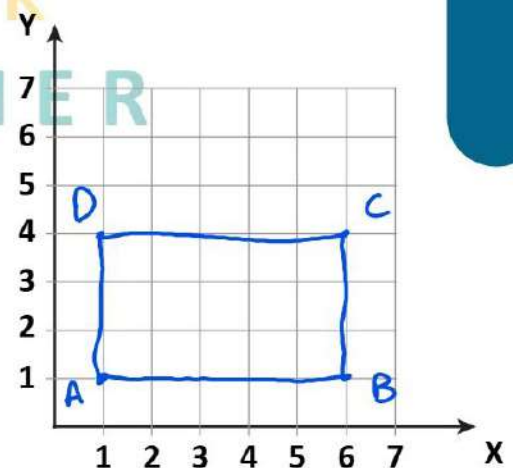
A (1, 1), B (6, 1), C (6, 4), D (1, 4),

Then connect them. Find:

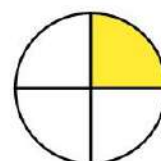
The name of the figure:  $\dots \text{rectangle} \dots$

AB //  $\dots DC \dots$ , BC //  $\dots AD \dots$

CD =  $\dots AB \dots$  = AD =  $\dots BC \dots$



7 The opposite figure represents 80 persons participate in a survey, then number of persons of who represents shaded part is  $\dots 20 \dots$  persons.



FOLLOW US



01: CHOOSE THE CORRECT ANSWER

- 1 The measure of the central angle of the circular sector that represents  $\frac{1}{8}$  of the circle is ..... °.  
 (a) 80 (b) 90 (c) 45 (d) 125
- 2  $\frac{6}{9} - \dots = \frac{1}{3}$   
 (a)  $\frac{1}{3}$  (b)  $\frac{1}{9}$  (c)  $\frac{5}{9}$  (d)  $\frac{2}{3}$
- 3 A parallelogram with four equal sides is a .....  
 (a) rectangle (b) rhombus (c) parallelogram (d) trapezium
- 4 In the ordered pair (7, 2), the x-coordinate is .....  
 (a) 14 (b) 9 (c) 7 (d) 2
- 5 The estimate of  $3\frac{4}{5} - 2\frac{1}{9}$  is .....  
 (a) 2 (b) 0 (c) 1 (d) 5
- 6  $3\frac{4}{7} \times \dots = \frac{25}{7} \times \frac{12}{5}$   
 (a)  $1\frac{2}{5}$  (b)  $2\frac{1}{5}$  (c)  $2\frac{2}{5}$  (d)  $5\frac{1}{2}$
- 7 .....  $\div 2 = 8$   
 (a)  $\frac{1}{16}$  (b)  $\frac{1}{2}$  (c) 2 (d) 16
- 8 A triangle whose side lengths are 3 cm, 5 cm, and 3 cm is called a/an ..... triangle.  
 (a) scalene (b) equilateral (c) isosceles (d) otherwise
- 9 A cuboid with base area is  $15 \text{ cm}^2$ . and its volume is  $90 \text{ cm}^3$ . Then its height equals ..... cm  
 (a) 1,350 (b) 30  
 (c) 6 (d) 12



FOLLOW US



Q2: ANSWER THE FOLLOWING

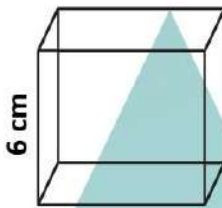
- 1 A swimming pool is in the shape of a cuboid, its base is of length 70 meters and its width is 40 meters. Find the depth if  $56,000 \text{ cm}^3$  of water fill this swimming pool completely.

$$\text{B.A} = 70 \times 40 = 2800 \text{ m}^2$$

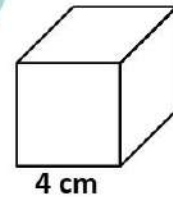
$$\text{depth} = 56000 \div 2800 = 20 \text{ m}$$

- 2 Find:  $4 \frac{1}{3} - 2 \frac{2}{3} = 2 \frac{4}{3} - 2 \frac{2}{3} = 1 \frac{2}{3}$

- 3 Find the volume of each of the following cubes:



The volume =  $216 \text{ cm}^3$



The volume =  $64 \text{ cm}^3$

- 4 Alya had  $2 \frac{1}{2}$  pounds, and her father gave her  $3 \frac{1}{2}$  pounds. She wants to buy pens that cost  $\frac{1}{2}$  pounds each. How many pens can she buy?

$$\text{She has} = 2 \frac{1}{2} + 3 \frac{1}{2} = 6 \text{ £} / \text{number of pens} = 6 \div \frac{1}{2} = 12 \text{ Pens}$$

- 5 In  $\triangle ABC$ ,  $AB = BC = 4 \text{ cm}$  and  $AC = 5 \text{ cm}$ , then it is Isosceles triangle according to its side lengths.

- 6 Taim bought  $\frac{4}{7}$  kilogram of flour and  $\frac{1}{3}$  kilogram of sugar. What is the total mass of what Taim bought?

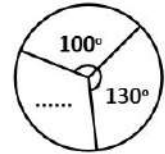
$$\frac{4}{7} + \frac{1}{3} = \frac{12}{21} + \frac{7}{21} = \frac{19}{21} \text{ Kg}$$

- 7 The opposite figure represents 360 persons participate in a survey, then number of persons of who represents shaded part is 240 persons.



Q1: CHOOSE THE CORRECT ANSWER

1 In the opposite figure, the measure of the central angle of the colored circular sector equals .....°.



(a) 360

(b) 130

(c) 230

(d) 30

2  $\frac{1}{6} \div \dots = 2$

(a) 12

(b)  $\frac{1}{6}$

(c) 6

(d)  $\frac{1}{12}$

3 The ..... is the point of intersection of the x-axis with the y-axis.

(a) origin point

(b) starting point

(c) ending point

(d) ordered pair

4  $9 - 1\frac{1}{2} = \dots$

(a)  $8\frac{1}{2}$

(b)  $7\frac{1}{2}$

(c) 8

(d) 7

5 ..... is the amount of liquid a container can hold.

(a) Area

(b) Perimeter

(c) Volume

(d) Capacity

6  $8\frac{1}{2}$    $8\frac{1}{2}$

(a) >

(b) =

(c) <

(d) otherwise

7 The point ..... lies on the y-axis.

(a) (8, 0)

(b) (0, 8)

(c) (1, 8)

(d) (8, 1)

8 A rectangle whose width is  $1\frac{1}{3}$  m and its area is  $2 \text{ m}^2$ , so its length is ..... meters

(a)  $\frac{2}{3}$

(b)  $\frac{1}{6}$

(c) 6

(d)  $\frac{3}{2}$

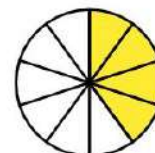
9 The measure of the central angle that represents the opposite colored sector is .....°.

(a) 36

(b) 72

(c) 144

(d) 150

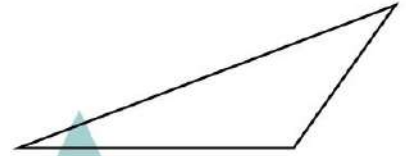




Q2: ANSWER THE FOLLOWING

1 Which two types of triangles are shown?

- ☒ a Scalene triangle  
☐ b Isosceles triangle  
☐ c Equilateral triangle  
☐ d Right triangle  
☐ e Acute triangle  
☒ f Obtuse triangle



2 There are 4 bags of beans, and each bag weighs  $\frac{3}{4}$  kg.  
What is the total weight of the beans?

.....  $4 \times \frac{3}{4} = 3 \text{ kg}$  .....

3 Find the result in the simplest form:

- ☒ a  $\frac{3}{4} + \frac{5}{6}$   
 $\frac{9}{12} + \frac{10}{12} = \frac{19}{12} = 1\frac{7}{12}$   
☐ b  $3\frac{1}{2} - 1\frac{1}{6}$   
 $3\frac{3}{6} - 1\frac{1}{6} = 2\frac{2}{6} = 2\frac{1}{3}$

4 A rectangular prism has 2 vertical slices, each slice has a volume of  $4 \text{ cm}^3$ ,  
Find the volume?

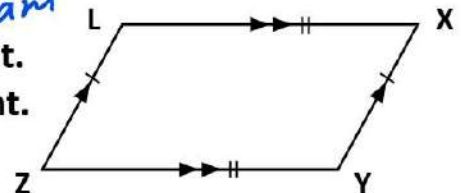
.....  $2 \times 4 = 8 \text{ cm}^3$  .....

5 The values of the missing number  
in the table are ..... 16 ..... and ..... 20 .....

x values	1	2	3	4	5
y values	4	8	12	16	20

6 Study the corresponding figure, then complete:

- ☒ a The corresponding figure is called ..... parallelogram .....  
☒ b YZ and ..... LX ..... are parallel and congruent.  
☒ c LZ and ..... XY ..... are parallel and congruent.  
☒ d  $\angle X$  and  $\angle Z$  are ..... acute ..... angles.  
☒ e  $\angle Y$  and  $\angle L$  are ..... obtuse ..... angles.



7 When the opposite 3D shape is divided into 3 slices,  
each slice contains ..... 9 ..... cubes.



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# كيفية طباعة صفحات معينة من ملف معين مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9

